

ESMA, Overview studies

Electronic supplementary materials for chapter 8

Did the life history of Multicoloured Asian ladybeetle, *Harmonia axyridis*, change when it spread across the globe? A meta-analysis

Number of data points available for each class of each response variable.
Crossed numbers are given when (class of) factor is excluded from the analysis.

				Factor																							
				Classes																							
				Asian												Invasive											
				short				long				natural day				short				long				natural day			
				aphid		ephesti		aphid		ephesti		aphid		ephesti		aphid		ephesti		aphid		ephesti		aphid		ephesti	
				wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab
Response variable	Code	Papers (N)	data points (N)																								
Developme	D	Development																									
Egg	D0	17	43	4	0	0	0	3	0	1	0	6	0	0	0	1	3	0	0	6	16	0	1	0	0	0	2
Larva 1	D1	28	68	5	1	0	0	11	0	0	0	15	0	0	0	1	0	0	0	11	17	6	1	0	0	0	0
Larva 2	D2	30	73	4	1	0	0	13	0	0	0	18	0	0	0	0	0	0	0	11	18	6	2	0	0	0	0
Larva 3	D3	30	74	4	1	0	0	13	0	0	0	19	0	0	0	0	0	0	0	11	18	6	2	0	0	0	0
Larva 4	D4	31	77	5	1	0	0	13	0	0	0	19	0	0	0	1	0	0	0	11	19	6	2	0	0	0	0
Larva	D5	43	139	4	3	0	0	15	4	0	0	26	0	0	0	0	0	0	0	48	18	12	7	1	0	0	1
Pupa	D6	27	75	4	3	0	0	10	4	0	0	21	0	0	0	0	0	0	0	11	15	5	2	0	0	0	0
Larva +	D7	37	103	4	3	0	0	13	8	0	0	20	0	0	0	0	3	0	1	15	26	8	2	0	0	0	0
Immature	D8	21	79	4	0	0	0	3	0	0	0	7	0	0	0	2	3	0	0	12	18	18	10	0	1	0	1
Survival	S	Survival																									
Egg	S0	30	98	5	0	0	0	5	3	1	0	23	0	0	0	0	0	7	2	9	8	16	17	1	0	0	1
Larva	S5	15	41	5	1	0	0	3	0	0	0	0	0	0	0	0	0	7	2	7	3	9	4	0	0	0	0
Larva +	S7	23	38	5	1	0	0	9	3	0	0	±	0	0	0	0	0	0	1	10	3	4	2	0	±	0	0
Immature	S8	10	28	5	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	8	0	6	4	0	±	0	±
Adult	A	Adult																									
Pre-Generation	A1	27	82	4	1	0	0	6	6	0	0	10	0	0	0	0	2	7	2	3	16	13	11	0	0	0	1
Generation	A2	15	61	4	0	0	0	2	0	0	0	10	0	0	0	0	2	7	2	3	11	13	7	0	0	0	0
Fecundity	A3	32	73	4	0	0	0	10	4	0	0	6	0	0	0	0	0	7	2	2	11	9	17	0	0	0	1
Longevity	A4	14	47	4	0	0	0	6	0	0	0	10	0	0	0	0	0	0	0	3	4	6	14	0	0	0	0

Factor	Classes											
Origin	Asian						Invasive					
Photoperio	short		long		natural		short		long		natural	
Food												
Population	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab	wil	lab
type	d	d	d	d	d	d	d	d	d	d	d	d

Response	Code	Papers	data points														
				new													
Survival	S				Survival												
Larva 1	S1	10		19		5	1	2	0	±	θ	±	θ	8	3	θ	θ
Larva 2	S2	9		21		5	1	2	0	±	θ	θ	θ	7	6	θ	θ
Larva 3	S3	11		22		5	1	3	0	±	θ	θ	θ	8	5	θ	θ
Larva 4	S4	11		23		5	1	4	0	±	θ	±	θ	7	6	θ	θ
Pupa	S6	12		23		5	1	4	0	±	θ	θ	θ	9	4	θ	θ