

Supplementary Table 1 Time spent in diapause by Batch 1 offspring

Larva Number	Date Larva Placed in Nut: Year 2006	Date Nut Re-opened and diapausing larva present	Date Nut Re-opened (see legend for symbols)	Adult Emergence Date	Number of Months Spent in Diapause
1	21 May	26 Sept. 2006		31 May - 30 Jun. 2010	48
2	21 May	26 Sept. 2006		31 May - 30 Jun. 2010	48
3	21 May	26 Sept. 2006		28 Dec. 2009 - 08 Jan. 2010	43
4	30 May	26 Sept. 2006		31 May - 30 Jun. 2010	48
5	30 May			17 - 23 Jan. 2007	7
6	31 May	28 - 30 Dec. 2008		10 - 15 Feb. 2009	32
7	31 May	28 - 30 Dec. 2008		22 Feb. - 12 May 2010	46
8	31 May	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
9	01 Jun.	28 - 30 Dec. 2008		05 - 22 Feb. 2010	44
10	01 Jun.			24 Mar. - 21 Apr. 2008	22
11	01 Jun.	28 - 30 Dec. 2008		31 May - 30 Jun. 2010	48
12	01 Jun.	28 - 30 Dec. 2008		22 Feb. - 12 May 2010	46
13	01 Jun.			06 - 13 Jan. 2008	19
14	01 Jun.			12 Nov. - 15 Dec. 2008	29
15	01 Jun.			30 Dec. 2007 - 06 Jan. 2008	19
16	01 Jun.			21 Aug. 2006	2
17	01 Jun.			02 -24 Mar. 2008	21
18	01 Jun.			06 Aug. 2006	2
19	01 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
20	02 Jun.	28 - 30 Dec. 2008		14 Apr. - 09 Jun. 2009	35
21	03 Jun.	28 - 30 Dec. 2008		22 - 24 Jan. 2009	31
22	03 Jun.	28 - 30 Dec. 2008		07 - 14 Nov. 2009	41
23	03 Jun.			12 Nov. - 15 Dec. 2008	29
24	03 Jun.	28 - 30 Dec. 2008		22 Feb. - 12 May 2010	46
25	03 Jun.			30 Dec. 2007 - 06 Jan. 2008	19
26	03 Jun.		30 Dec. 2008 (LA)	01 Jan. 2009	31
27	03 Jun.			12 Nov. - 15 Dec. 2008	29
28	03 Jun.			08 Aug. 2006	2
29	03 Jun.			12 Nov. - 15 Dec. 2008	29
30	03 Jun.		30 Dec. 2008 (DL)	NA	NA
31	03 Jun.		30 Dec. 2008 (LP)	17 - 22 Jan. 2009	31
32	03 Jun.			25 Nov. - 16 Dec. 2007	18
33	04 Jun.			15 - 22 Dec. 2008	30
34	04 Jun.			12 Nov. - 15 Dec. 2008	29
35	06 Jun.			24 Mar. - 21 Apr. 2008	22
36	07 Jun.	28 - 30 Dec. 2008		14 Apr. - 09 Jun. 2009	35
37	07 Jun.	28 - 30 Dec. 2008		22 Feb. - 12 May 2010	46
38	07 Jun.	28 - 30 Dec. 2008		31 May - 30 Jun. 2010	48
39	07 Jun.			30 Dec. 2007 - 06 Jan. 2008	19
40	07 Jun.			15 - 25 Oct. 2006	4
41	08 Jun.			21 Aug. 2006	2
42	08 Jun.			21 Apr. - 06 May 2008	22
43	08 Jun.			12 Nov. - 15 Dec. 2008	29
44	08 Jun.			?	NA
45	08 Jun.		30 Dec. 2008 (LA)	24 Jan. 2009	31
46	09 Jun.	28 - 30 Dec. 2008		11 - 17 Feb. 2009	32
47	09 Jun.	28 - 30 Dec. 2008		12 - 31 May 2010	47
48	09 Jun.			16 - 23 Dec. 2007	18

49	09 Jun.	28 - 30 Dec. 2008		31 May - 30 Jun. 2010	48
50	09 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
51	09 Jun.	28 - 30 Dec. 2008		09 - 27 Jun. 2009	36
52	10 Jun.			15 - 22 Dec. 2008	30
53	10 Jun.			12 Nov. - 15 Dec. 2008	29
54	10 Jun.			12 Nov. - 15 Dec. 2008	29
55	10 Jun.			21 Apr. - 06 May 2008	22
56	10 Jun.			26 Nov. - 09 Dec. 2006	6
57	10 Jun.	28 - 30 Dec. 2008		24 Jan. - 01 Feb. 2009	31
58	10 Jun.			26 Dec. 2006 - 09 Jan. 2007	7
59	10 Jun.			12 Nov. - 15 Dec. 2008	29
60	10 Jun.	28 - 30 Dec. 2008		14 - 24 Nov. 2009	41
61	10 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
62	11 Jun.	28 - 30 Dec. 2008		05 - 22 Feb. 2010	44
63	11 Jun.			12 Nov. - 15 Dec. 2008	29
64	11 Jun.			26 Nov. - 09 Dec. 2006	6
65	11 Jun.	28 - 30 Dec. 2008		11 - 17 Feb. 2009	32
66	11 Jun.			16 - 23 Dec. 2007	18
67	11 Jun.			21 Apr. - 06 May 2008	22
68	11 Jun.			11 - 28 Jul. 2008	25
69	11 Jun.			05 Oct. - 11 Nov. 2007	16
70	11 Jun.	28 - 30 Dec. 2008		27 Jun. - 22 Jul. 2009	37
71	11 Jun.			24 Sep. - 12 Nov. 2008	28
72	13 Jun.			24 Jun. - 11 Jul. 2008	25
73	13 Jun.			12 Nov. - 15 Dec. 2008	29
74	13 Jun.			06 - 13 Jan. 2008	19
75	13 Jun.			24 Aug. 2006	2
76	13 Jun.		28 Dec. 2008 (DA)	NA	NA
77	14 Jun.			18 Feb. - 02 Mar. 2008	20
78	14 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
79	15 Jun.			12 Nov. - 15 Dec. 2008	29
80	15 Jun.			15 - 22 Dec. 2008	30
81	17 Jun.			12 Nov. - 15 Dec. 2008	29
82	18 Jun.			23 - 30 Dec. 2007	18
83	19 Jun.			26 Nov. - 09 Dec. 2006	6
84	20 Jun.			21 Aug. 2006	2
85	22 Jun.			11 - 25 Nov. 2007	17
86	22 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
87	23 Jun.			13 - 20 Jan. 2008	19
88	23 Jun.			15 Oct. 2006	4
89	23 Jun.	28 - 30 Dec. 2008		17 - 23 Feb. 2009	32
90	24 Jun.	28 - 30 Dec. 2008	19 Jul. 2012 (DA)	NA	NA
91	24 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
92	24 Jun.			17 - 26 Dec. 2006	6
93	24 Jun.	28 - 30 Dec. 2008	12 May 2010 (LA)	12 May 2010	47
94	24 Jun.			12 Nov. - 15 Dec. 2008	29
95	25 Jun.	28 - 30 Dec. 2008	12 May 2010 (LA)	12 May 2010	47
96	25 Jun.		30 Dec. 2008 (LNP)	NA	NA
97	26 Jun.	28 - 30 Dec. 2008		03 Sep. - 08 Oct. 2010	51
98	26 Jun.		28 Dec. 2008 (DA)	NA	NA
99	26 Jun.	28 - 30 Dec. 2008		01 - 11 Feb. 2009	32
100	26 Jun.	28 - 30 Dec. 2008		14 - 24 Nov. 2009	41
101	26 Jun.	28 - 30 Dec. 2008	19 Jul. 2012 (DA)	NA	NA
102	27 Jun.	28 - 30 Dec. 2008		23 - 28 Feb. 2009	32

103	28 Jun.	28 - 30 Dec. 2008		27 Jun. - 22 Jul. 2009	37
104	29 Jun.	28 - 30 Dec. 2008	12 May 2010 (LA)	12 May 2010	47
105	29 Jun.	28 - 30 Dec. 2008		27 Jun. - 22 Jul. 2009	37
106	29 Jun.	28 - 30 Dec. 2008		29 Jan. - 05 Feb. 2010	44
107	30 Jun.	28 - 30 Dec. 2008		15 - 22 Jan. 2010	43
108	03 Jul.	28 - 30 Dec. 2008		22 Feb. - 12 May 2010	46
109	05 Jul.	28 - 30 Dec. 2008		07 Oct. - 07 Nov. 2009	40

Legend for Supplementary Tables 1-4

Each larva was placed inside the nut on or within three days at most of the day on which it hatched. These nuts artificially infested with larvae were kept in plastic tubs that were examined periodically to note the presence of any adult beetles. These were removed together with the nuts with holes from which they had emerged. For Batches 1-3 (Supplementary Tables 1-3) month of placement was taken to be June 2006 and for Batch 4 (Supplementary Table 4) June 2007 for the purpose of computing the numbers in the column headed “Number of Months Spent in Diapause”. When an adult emerged from the nut five months or less following the month of placement it was considered not to have undergone diapause as a mature larva in spite of being included in this column. As indicated many nuts were re-opened to verify that the larva placed in each had developed to maturity and gone into diapause. Note that Supplementary Table 4 is organised differently from Supplementary Tables 1-3; instead of numbering each individual as it was placed in the nut as a larva, each has been numbered according to the chronological order in which it emerged as an adult.

DA – dead dried adult trapped inside endocarp; DL – dead dried mature larva or pupa inside endocarp; LA – live adult inside endocarp; LP – live pupa inside endocarp; LNP – recently hatched larva never succeeded in penetrating the endosperm or died shortly after penetration without consuming any observable amount of endosperm; NA – not applicable.