

Supplementary Table 2 Time spent in diapause by Batch 2 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	27 May	25 Nov. 2006		25 May - 10 Jun. 2008	24
2	04 Jun.	25 Nov. 2006		13 Nov. - 17 Dec. 2008	29
3	04 Jun.	25 Nov. 2006		02 - 10 Jan 2009	31
4	04 Jun.	25 Nov. 2006	23 Feb. 2011 (DL)	NA	NA
5	04 Jun.	25 Nov. 2006		09 - 16 Jan. 2008	19
6	04 Jun.		27 Jun. 2007 (LNP)	NA	NA
7	06 Jun.			26 May - 19 Jun. 2007	12
8	06 Jun.		26 Jun. 2007 (LNP)	NA	NA
9	06 Jun.		26 Jun. 2007 (LNP)	NA	NA
10	06 Jun.	26 Jun. 2007		06 Apr. - 08 Jun. 2009	35
11	07 Jun.			06 - 28 Apr. 2007	10
12	07 Jun.	28 Jun. 2007	21 Feb. 2011 (DA)	NA	NA
13	07 Jun.	26 Jun. 2007		18 - 25 Dec. 2007	18
14	07 Jun.	28 Jun. 2007		09 - 16 Nov. 2009	41
15	07 Jun.	28 Jun. 2007		17 - 25 Dec. 2008	30
16	07 Jun.	28 Jun. 2007		09 May - 09 Jun. 2010	47
17	07 Jun.	28 Jun. 2007		06 Apr. - 08 Jun. 2009	35
18	08 Jun.		28 Jun. 2007 (LNP)	NA	NA
19	08 Jun.		26 Jun. 2007 (LNP)	NA	NA
20	08 Jun.	28 Jun. 2007		02 - 12 Feb. 2009	32
21	09 Jun.		26 Jun. 2007 (DL)	NA	NA
22	09 Jun.		28 Jun. 2007 (LNP)	NA	NA
23	09 Jun.	26 Jun. 2007	23 Feb. 2011 (DA)	NA	NA
24	10 Jun.	28 Jun. 2007		02 - 12 Feb. 2009	32
25	10 Jun.		28 Jun. 2007 (LNP)	NA	NA
26	10 Jun.	28 Jun. 2007		06 Apr. - 08 Jun. 2009	35
27	11 Jun.		28 Jun. 2007 (LNP)	NA	NA
28	11 Jun.	28 Jun. 2007		05 - 18 Dec. 2007	18
29	11 Jun.			12 - 23 Feb. 2007	8
30	11 Jun.		26 Jun. 2007 (LNP)	NA	NA
31	11 Jun.			25 Jun. 2007	12
32	11 Jun.	26 Jun. 2007		27 Apr. - 07 May 2008	23
33	11 Jun.	28 Jun. 2007	23 Feb. 2011 (DA)	NA	NA
34	11 Jun.	28 Jun. 2007		25 Jul. - 12 Aug. 2009	38
35	11 Jun.	28 Jun. 2007		05 - 18 Dec. 2007	18
36	13 Jun.			26 May - 19 Jun. 2007	12
37	13 Jun.	28 Jun. 2007		13 Nov. - 17 Dec. 2008	29
38	13 Jun.			15 Nov. 2006	5
39	13 Jun.	28 Jun. 2007		10 - 17 Jan. 2009	31
40	13 Jun.			15 Nov. 2006	5
41	13 Jun.			19 - 28 Dec. 2006	6
42	13 Jun.	28 Jun. 2007	23 Feb. 2011 (DA)	NA	NA
43	14 Jun.	28 Jun. 2007		02 - 12 Feb. 2009	32
44	14 Jun.	26 Jun. 2007		06 Apr. - 08 Jun. 2009	35
45	14 Jun.	28 Jun. 2007		10 - 17 Jan. 2009	31
46	14 Jun.	28 Jun. 2007	23 Feb. 2011 (DA)	NA	NA
47	14 Jun.	28 Jun. 2007		25 Jul. - 12 Aug. 2009	38
48	14 Jun.		28 Jun. 2007 (LNP)	NA	NA

49	14 Jun.	28 Jun. 2007		10 - 17 Jan. 2009	31
50	15 Jun.		28 Jun. 2007 (LNP)	NA	NA
51	15 Jun.	28 Jun. 2007		06 Apr. - 08 Jun. 2009	35
52	15 Jun.			26 May - 19 Jun. 2007	12
53	15 Jun.	28 Jun. 2007		19 Oct. - 13 Nov. 2008	29
54	16 Jun.	28 Jun. 2007		15 Oct. - 13 Nov. 2007	16
55	16 Jun.	28 Jun. 2007		09 Oct. - 09 Nov. 2009	40
56	16 Jun.			28 Apr. - 14 May 2007	11
57	16 Jun.			15 Nov. 2006	5
58	17 Jun.	24 Jun. 2007		20 - 28 Feb. 2009	32
59	17 Jun.	24 Jun. 2007		28 Feb. - 09 Mar. 2009	33
60	17 Jun.	29 Jun. 2007		23 May - 09 Jun. 2008	24
61	18 Jun.	29 Jun. 2007		03 - 19 Dec. 2007	18
62	18 Jun.	25 Nov. 2006		02 - 20 Apr. 2008	22
63	18 Jun.	29 Jun. 2007		14 Jul. - 11 Aug. 2008	25
64	18 Jun.	29 Jun. 2007		16 - 23 Jan. 2010	43
65	18 Jun.	29 Jun. 2007		03 Mar. - 02 Apr. 2008	21
66	18 Jun.	24 Jun. 2007		01 - 08 Jan 2008	19
67	18 Jun.	29 Jun. 2007		03 - 19 Dec. 2007	18
68	18 Jun.			15 Nov. 2006	5
69	18 Jun.		29 Jun. 2007 (LNP)	NA	NA
70	19 Jun.	29 Jun. 2007	24 Feb. 2011 (DL)	NA	NA
71	19 Jun.			15 Nov. 2006	5
72	19 Jun.			02 - 20 Apr. 2008	22
73	20 Jun.			15 Nov. 2006	5
74	20 Jun.	24 Jun. 2007		12 Oct. - 12 Nov. 2007	16
75	20 Jun.	24 Jun. 2007		03 - 19 Dec. 2007	18
76	20 Jun.	24 Jun. 2007		19 - 25 Dec. 2007	18
77	20 Jun.		24 Feb. 2011 (LP)	24 Feb. - 15 Mar. 2011	57
78	22 Jun.			29 Jul. 2007	13
79	22 Jun.			15 Nov. 2006	5
80	22 Jun.			19 - 25 Dec. 2007	18
81	22 Jun.		24 Feb. 2011 (LNP)	NA	NA
82	22 Jun.			19 - 24 Jun. 2007	12
83	22 Jun.	24 Jun. 2007	24 Feb. 2011 (DL)	NA	NA
84	24 Jun.			22 Jan. - 11 Feb. 2008	20
85	25 Jun.			11 - 20 Feb. 2008	20
86	25 Jun.			22 Mar. - 03 Apr. 2009	33
87	25 Jun.			02 - 20 Apr. 2008	22
88	25 Jun.			15 - 22 Jan. 2008	19
89	25 Jun.		24 Jun. 2007 (LNP)	NA	NA
90	25 Jun.	24 Jun. 2007		11 - 23 Aug. 2008	26
91	25 Jun.			09 Sep. - 12 Oct. 2007	15
92	25 Jun.			01 - 08 Jan. 2008	19
93	27 Jun.	24 Jun. 2007	24 Feb. 2011 (DL)	NA	NA
94	27 Jun.			15 - 22 Jan. 2008	19
95	27 Jun.			13 Nov. - 17 Dec. 2008	29
96	27 Jun.			08 - 15 Jan. 2008	19
97	27 Jun.			08 - 15 Jan. 2008	19
98	27 Jun.	24 Feb. 2011		23 - 28 Jan 2012	67
99	27 Jun.			02 - 20 Apr. 2008	22
100	27 Jun.			24 Dec. 2008 - 01 Jan. 2009	30
101	28 Jun.		24 Feb. 2011 (DL)	NA	NA
102	28 Jun.			19 - 25 Dec. 2007	18

103	28 Jun.		14 - 21 Jan. 2007	7
104	29 Jun.		03 Mar. - 02 Apr. 2008	21
105	29 Jun.	24 Jun. 2007 (LNP)	NA	NA
106	30 Jun.		08 - 15 Jan. 2008	19
107	30 Jun.	24 Feb. 2011 (LNP)	NA	NA
108	30 Jun.		12 Oct. - 12 Nov. 2007	16
109	02 Jul.	24 Jun. 2007	17 - 24 Dec. 2008	30

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.