

TREE LOCATION IN THE SOUTH LOT BASED ON TREES USED IN GRAVES' CROSSES

1934-1937

1931

Row 1 1929	Row 2 1929	Row 3	Row 4	Row 5	Row 6	Row 7	Row 8	Row 9	Row' 10	Row 11
1 C 0315	1 S8 1929	1	1	1	1 A	1 JA Sm.	1	1 CJ M38?	1 CP 146?	1
2 C 0315	2 S8	2 J Folk	2 seg.	2	2	2 JA Sm.	2 C MI	2 C MCH	2 CJ M38?	2
3 C 0315	3 S8	3 J Folk	3 J For.	3	3	3 JA Sm.	3 C MI	3 C MCH	3	3 JA Sm.
4 C 0315	4 S8	4	4 J For.	4	4	4 J 8626	4 C MI	4 C MCH	4 JA Sm.	4 JA Sm.
5 C 0315	5 S8	5 JA Sm.	5	5 J 8004	5 J For.	5 J 8626	5 C MI	5	5 J MJ	5 JA Sm.
6 C 0315	6 C 0315	6 JA Mint.	6	6	6 J For.	6 J Reed	6 C MI	6 S8 X A	6	6 JA Sm.
7 J 8636	7 J 8636	7 seg.	7	7 J 8004	7 J 8634	7 J 8626	7 C MI	7 C MI	7	7 JA Sm.
8 C 0315	8 J Folk	8 seg.	8	8	8	8 J 8626	8 JA Sm.	8 C	8	8
9 C 0315	9 J Folk	9 seg.	9 J- 30	9	9	9	9 A X S8	9 C MI	9 C	9 A X S8
10 C 0315	10 C 0315	10 JA Ham.	10 JA Ham.	10	10 CA	10	10	10 CJ M38?	10 AC	10 A X S8
11 C 0315	11 C 0315	11	11	11 JA Sm.	11 J, 8626	11 CA	11 CJ M38?	11	11	11
12 C 0315	12 C 0315	12	12 JA	12	12 J 8626	12	12	12	12 AC	12 JA Sm.
13 C 0315	13 J For.	13 JA Sm.	13	13	13 J For.	13	13	13 C - 31	13	13 JA Sm.
14 C 0315	14 seg.	14 JA Mint.	14	14 J 8004	14	14	14 CJ M38?	14	14 JA Sm.	14 JA Sm.
15 C 0315	15 seg	15 seg.	15	15 J 8004	15 JA Sm.	15 J For.	15	15	15	15
16	16 seg	16	16 J 5818	16 JA Sm.	16	16	16	16	16	16

C.70315 S8 had 22
 J.75818 had 5
 J.78004 had 10
 J.78634 had 10
 C.MI had 10
 C.MCH had 10
 CP.146 had 5
 (row 9?)
 seg. 70317 had 25
 J.78626 had 10
 J Hyb. M38 had 5 (row 8?)
 J.MJ had 10 (row 10?)

J.78636 had 10

M38 = C.I. = C. japonica hybrid o.p.
 S8 = (pumila x crenata) o.p.

48-53 Nienstaedt

57-61- Jaynes

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Pollination Number	♀ Parent	♀ Location	♂ Parent	♂ Location	Dates Pollinated	No. Plants Harvested
1-12	J	Westbury, L.I. Winthrop	A	Washington, DC	6/28, 7/1, 7/4	3
13-29	JE	Syosset, N.Y. Hammond	A	Washington, DC	6/28, 7/1, 7/4	2
30-49	JE	Oyster Bay, N.Y. Smith	A	Washington, DC Local	6/28, 7/1	5

Total 10

} never germinated

(Pollination number also equals number of bags)

1930

38

46

50

54

58

61

70

89

100

100

100

100

100

100

100

100

100

100

100

100

100

100

100

1931

c. dentata
F.P. 551

76.9
cluster
collected
No.
Nuts

1-47	J	Westbury, L.I. Winthrop Buelle, N.J.	A	Wash. D.C.	7/1, 6, 10	83	5	Nuts from bags # 16, 27, 40, 42
48-78	J	Folk	A	-	7/1, 6, 10	41	14	Nuts from bags # 48, 61, 62, 63, 64, 65, 69, 71, 75
79-150	JE	Syosset, L.I. Hammond	A	-	6/27, 7/2, 8	144	8	In report Graves BGG says 10 nuts
151-163	JE	Minturn	A	-	6/30, 7/1, 6	16	1	Nut from # 158
164-250	JE	Oyster Bay, N.Y. Smith	A	-	7/1, 7	321	89	Report BGG. Graves says 94

Total 117

124 according to BGG
report

1932

1-203 JE Oyster Bay, N.Y.
Smith A New Milford, Ct.
7/2, 7/9
7/2-7/12

189 Some pollinated once
others up to 4 times

Summary as given by Valkomerson, Hilda:

- 752 flowers ^(clusters) pollinated 7/2 through 7/12
- 311 flowers still on when bags removed 8/1
- 185 young burs bagged 9/17
- 127 burs collected 10/19
- 189 nuts collected 10/19

These were planted
on Oct. 24 to 27

6
1933

1-60	JE	Syosset, L.I. Minturn	A	-	6/27, 7/1	95	15	61-74 not pollinated
75-135	JE	Syosset, L.I. Hammond	A	-	6/27, 7/1	76	23	
1-13 L.I	A	James S. Burden Syosset, L.I.	JE	Syosset, L.I. Minturn	6/27, 7/1	32	1	

Total 39

of
daughters
pollinated

since report BB6

c. dentata
was FP551

o.p. seedling

1-9	S8	R2T1	J	For. type 78626-30 K6T11	6/28, 7/3	10	
9A	S8	R2T1	C	RIT6	6/28, 7/3	0	
10-11	S8	R2T3	C	KIT6	6/29, 7/3	0	
12-20	C	RIT12	S	-	6/29, 7/3, 6	7	
21-22	Smith JFA	1780-31 R11T12	A	FP#551 Wash.	6/29, 7/3	2	
23-27	♀J	R8T?14	A	Wash	6/29, 7/3	0	
28	♀J	R8T?14		self		0	
29-30	♀J	R8T?14	A	Wash	6/29, 7/3	0	
31-39	♀J	R8T?11	A	Wash	6/29, 7/3	1	
40-45	♀J	R8T6	A	Wash	6/29, 7/3, 6	0	
43	♀J	R8T6		self		0	
46-56	♀J	R8T4	A	Wash	6/29, 7/3, 6	18	
55	♀J	R8T4		self		0	
57-58	CP	R10T1	A	Wash	6/30, 7/3, 6	4	
59-60	J	78004 R5T15	A	Wash	6/30, 7/3, 6	0	
61	J	R5T14	A	Wash	6/30, 7/3, 6	0	
62	J	R5T7	A	Wash	6/30, 7/3, 6	1	
63-64	J	R5T5	A	Wash	6/30, 7/3, 6	0	
65-70	J	R4T9	A	"	6/30, 7/3, 6	3	
71-73	Henry J	78505 R2T13	A	"	6/30, 7/3, 6	0	
74-76	J	USDA R2T7	A	"	6/30, 7/3, 6	0	
77-78	S8	R2T1	A	"	6/30, 7/3, 6	1	
79	C	780315-29 RIT2	A	"	6/30, 7/3, 6	0	
79A	C	RIT3	A	"	6/30, 7/3, 6	1	
80-88	C	RIT4	A	"	6/30, 7/3, 6	4	
89-94	C	RIT6	A	"	6/30, 7/3, 6	1	
95	J	USDA 78636 RIT7	A	"	6/30, 7/3, 6	4	
96	C	RIT8	A	"	6/30, 7/3, 6	0	
97-98	C	RIT9	A	"	6/30, 7/3, 6	0	

Report BB6 1934
only 8 suits

Ever bearing
variety of legum.

were these 9's
M-38 crenata o.p.
"C. japonica hybrid"
soon dead!

♀ listed as 'malt x ...'
in BB6 report for 1934
so maybe FP#146?
Gravett #1

7
1934

1934

C. dentata
FP 551

99	C- ^{FP 50315} RIT11	A	Wash	6/30, 7/3, 6	0
100-105	C-RIT15	A	Wash	6/30, 7/3, 6	2
Total					59

Total number of nuts according to B.B. Everett is 57

C. dentata from Clapper
was FP 555

1935

	♀ par.	♀ loc.	♂ par.	♂ loc.	Dates of Poll.	no. Nuts	no. nuts
1	JA	R11T13	JA		7/5, 9		5
2	JA	R11T13 <small>1780 '31</small>	JA	1746 '31 R11T7	7/5, 9		
3	JA	R11T13	JA	R11T7	7/5, 9		
4	JA	R11T13	A	Clapper	7/5, 9		1
5	JA	R11T13 <small>1780 '31</small>	A	Clapper	7/5, 9		
6	JA	R11T13	A	Clapper Clapper	7/5, 9		4
7	♀J	R10T1	A	No. Haven	7/5, 9		
8	♀J	R10T1	A	"	7/5, 9		1
9	♀J	R10T1	A	"	7/5, 9		2
10	♀J	R10T1	A	"	7/5, 9		0
11	♀J	R10T1	A	"	7/5, 9		-
12	♀J	R10T1	A	"	7/5, 9		3
13	♀J	R10T1	A	"	7/5, 9		3
14	♀J	R10T1	A	"	7/5, 9		5
15	♀J	R10T1	A	"	7/5, 9		3
16	♀J	R10T1	A	"	7/5, 9		1
17	♀J	R10T1	A	"	7/5, 9		2
18	♀J	R10T2	A	"	7/5, 9		-
19	♀J	R10T2	A	"	7/5, 9		-
20	♀J	R10T2	A	"	7/5, 9		-
21	♀J	R10T2	A	"	7/5, 9		2
22	♀C Mam	R10T5	A	"	7/1, 5, 9		5
23	♀C	R10T5	A	"	7/1, 5, 9		2?
24	♀C Mam	R10T5	A	"	7/1, 5, 9		1
25	♀C Mam	R10T5	A	"	7/1, 5, 9		4
26	♀C	R10T5	A	"	7/5, 9		0
27	♀C	R9T13 <small>'31 78744</small>	A	"	7/5, 9		
28	C	R9T13	A	"	7/5, 9		
29	C	R9T13	A	"	7/5, 9		

Graves got 3 seeds

R10T1 has even been listed as C x Pami 1a

These ♀J's were originally thought to be

Jap x Ching hybr.

FP#146 = Gravett #1

mollis? wa x chinqua pin? o.p.

1 more nut here than in Graves B.B.G. report for 1935

M-38 was called "C. japonica hybrid"

Graves got 5 of them

MJ - had 10 (C. crenata) PI#186873 "Mammoth"

	♀ Par	♀ Loc	♂ Par	♂ Loc.	Dates of Poll.	No. Bags	No. Nuts
30	C	R9T13	A	No. Haven	7/9, 5		
31	C	R9T13	A	"	7/5, 9		
32	C	R9T3	A	"	7/5, 9		
33	C	R9T3	A	"	7/5, 9		
34	C	R9T3	A	"	7/5, 9		
35	C	R9T13	A	"	7/5, 9		
36	^{USDA '31} C	R9T7	A	"	7/5, 9		
37	^{USDA '31} C ^{MJ} Man.	R9T7	A	"	7/5, 9	1	
38	C	R9T10	A	"	7/5, 9		
39	^{USDA '31} C ^{MJ} Man.	R9T7	A	"	7/5, 9	1	
40	S8	R2T1	A	No. Haven	7/1, 6, 10	2	
41	S8	R2T1	A	"	"	-	
42	S8	R2T1	A	"	"	+	
43	S8	R2T1	A	"	"	-	
44	S8	R2T1	A	"	"	2	
45	S8	R2T1	A	"	"	-	
46	S8	R2T1	A	"	"	-	
47	S8	R2T1	A	"	"	-	
48	S8	R2T1	A	"	"	1	
49	S8	R2T1	A	"	"	1	
50	S8	R2T3	A	"	"	2	
51	S8	R2T3	A	"	"	2	
52	S8	R2T3	A	"	"	3	
53	S8	R2T3	A	"	"	1	
54	S8	R2T3	A	"	"	1	
55	S8	R2T3	A	"	"		
56							
57							
58							

Duplicated see after poll. # 128 of 1935

see page 15

59							
60	C	^{MJ} R8T4	A	No. Haven	7/5, 9		
61	^{USDA '31} C	R8T4	A	"	7/5, 9		4
62	^{USDA '31} C	R8T4	A	"	7/5, 9		3
63	^{USDA '31} C	R8T4	A	"	7/5, 9		11
64	C	^{MJ} R8T5	A	"	7/5, 9		
65	C	R8T5	A	"	7/5, 9		
66	C	R8T5	A	"	7/5, 9		
67	C	R8T5	A	"	7/5, 9		
68	C	R8T5	A	"	7/5, 9		
69	C	R8T5	A	"	7/5, 9		
70	C	R8T5	A	"	7/5, 9		
71	C	R8T5	A	"	7/5, 9		
72	C	R8T5	A	"	7/5, 9		
73	C	R8T5	A	"	7/5, 9		
74	C	R8T5	A	"	7/5, 9		
75	^{USDA '31} C	R8T5	A	"	7/5, 9		3
76	^{Folk} J	R8T14	A	"	7/5		
77	^{Folk} J	R8T14	A	"	7/5		
78	^{Folk} J	R8T14	A	"	7/5		0
79	^{Folk} J	R14T8	A	"	7/9		0
80	-	-	-	-	-		-
81a	^{Folk} J	R14T8	A				1
82	^{Folk} J	R7T15	A		7/6		-
83	J	R7T15	A				-
84	J	R7T15	A				-
85	J	^{'30} R7T4	A		7/6, 9		3
86	J	R7T4	A		7/6, 9		3
87	J	R7T4	A		7/6, 9		-

M38
(C. japonica) oip.

38
46
50
51
58
61
70
89
1995
2008 2010

	♀ Par	♂ Loc.	♂ Par.	♂ Loc.	Date of Poll.	No. large nuts	No. nuts
88	J	R7T4 <small>For. Type</small>	A		7/6,9		3
89	J	R6T13	A		7/6,9		1
90	J	R6T13	A		7/6,9		-
91	J	R6T13	A		7/6,9		-
92	J	R6T13	A		7/6,9		-
93	J	R6T13 <small>For. Type</small>	A		7/6,9		-
94	J	R6T5	A		7/6,9		0
95	J	R5T15	A		7/6,9		-
96	Seq.	R4T2	A		7/6,9		
97	J	R4T3 <small>29 70317</small>	A		7/6,9		0
98	Seq.	R3T8	A				+
99	JA	RBT11	S8	R2T3	7/6		
100	JA	RBT11 <small>Smith 2936 '31</small>	S8	R2T3	7/6		
101	JA	RBT11 <small>Smith 2936 '31</small>	JA	R11T7 <small>Smith 1746 '31</small>	7/6		
102	JA	RBT11 <small>Folk '30</small>	JA	R11T7 <small>555</small>	7/6		0
103	J	R3T1	A	<small>For. Path.</small>	7/2		0
104	J	R3T1	A	"	7/2		0
105	J	R3T1	A	"	7/6		0
106	J	R3T1	A	"	7/6		0
107	J	R3T1	A	"	7/10		0
108	J	R3T1	A	"	7/10		0
109	J <small>Chuguri</small>	R7T6 <small>Reed '31</small>	JA <small>Smith</small>	R11T7	7/5		-
110	J	R7T6	JA	R11T7	7/5		-
111	J <small>Reed</small>	R7T6 <small>1246 '31</small>	JA	R11T7	7/5		1
112	J	R7T6	S8	R2T3	7/5		-
113	J	R7T6	S8	R2T3	7/6		-
114	J <small>Reed</small>	R7T6	S8	R2T3	7/6		-
115	J	R7T6	S8	R2T3	7/6		3
116	J	R1T7 <small>18636, 18637, 18638</small>	JA	R13T8 <small>2416 '31</small>	7/5		3

		repl. 1930				
117	EJ	R1T7 <small>18636</small>	JA	R13T8	7/5	0
118	EJ	R1T7	JA	R13T8		4? <small>7 nuts of C. JA in all</small>
119	EJ	R1T7	JA	R13T8		0
120	C	R1T9 <small>1226 '31</small>	JA	R13T4	7/8	0
121	C	R1T12	JA	R11T4	7/8	0
122	J	R2T13 <small>For. Type</small>	JA	R11T4	7/6	0
123	J	R2T13	JA	R11T4	7/6	0
124	J58	R2T13	? A		7/6	1
125	J	R2T13	? A		7/6	
126	J	R2T13	? Seq.		7/6	
127	J	R2T13	? Seq.		7/6	
128	J	R2T13	? Seq.		7/6	

Duplicated or repeated numbers of 1935

79	EJ	R8T14	A	No. Haven	7/5	0	m38 o.p.
81	EJ	R8T14	A	"	7/5,9	0	C. japonica o.p.
82							

called (58-35) A 36, 57, 58, 59
 Mt. Carmel
 R1? #10315
 49
 (60A-35) A " S8 Mt. Carmel
 R2T3?
 11

Total (not counting these 3 ↓) 163 Total # nuts is 156 according to BBG report

also supposed to be (B.B.G. report 1935) 3 nuts of a JA x C

* The pollination date + number of nuts can not be relied on as giving full information - fragmentary data

Poll. No.	Par	Loc	Par	Loc	Date of Poll.	No. Muta
163-164	JA	177C RST11	A	Jennison II	7/6, 9, 10	0
165-167	J	Forest 45PA RST14	A	"	7/6, 9, 10	0
168-169	Seq.	R3T8	A	"	7/6, 9	0
170-171	Seq.	R3T7	A	"	7/6, 9	0
172	J	75818 R4T16	Self			0
173-199	Attempt to self sequina - no results					
200	C	10514 RIT2	JA	174B R11T7	7/1, 3, 8	0 no # 201
202-203	C	RIT2	A	No. Haven Wash.	7/1, 3, 8	2?
204	C	RIT2	S8		7/1, 3	0
205	C	RIT2	A	Wash. No. Haven	7/1, 3, 8	0
206	C	RIT3	A	Wash. No. Haven	7/1, 3, 8	0
207	C	RIT4	A	"	7/1, 3, 8	0
208	C	RIT4	S8		7/1	1
209	C	RIT5	JA	174B '31 R11T7	7/1, 3, 8	0
210-214	C	RIT9	A	Wash	7/1, 3, 8	0
215-221	C	RIT9	JA	174B '31 R11T7	7/1, 3, 8	1 no # 222
223-227	C	RIT9	S8		7/1, 3, 8	1
228-232	C	RIT12	A	Wash	7/1, 3, 8	0
233-234	C	RIT12	JA	R11T7	7/1, 3, 8	0
235-237	C	RIT12	S8		7/1, 3, 8	2
238-239	C	RIT15	A	Wash.	7/1, 3, 8	0
240	C	RIT15	S8		7/1, 3, 8	0
241-242	C	RIT15	JA	174B '31 R11T7	7/1, 3, 8	0 no # 243
244	JA	226D '31 RBT1	A	Jennison I	7/6	0
245-251	JA	233B '31 RBT11	J	Ham. E. side	7/2, 5, 10	2
252-258	JA	172B RBT11	JA	R11T4	7/2, 5, 10	3
259	JA	226C '31 RAT14	J	Ham. E. side	7/2, 6, 10	0
260-262	JA	226C" RAT16	J	"	7/2, 6, 10	0
263	JA	RAT16	JA	R11T4	7/3, 7, 10	0

see orig sheet

264-274	JA	241B '31 R13T8	JA	200B '31 R12T13	7/3, 6	2
275-276	J	Reed R19T6+5	J	Minturn	6/30, 7/3, 5	14
277-278	J	R19T5+6	S8		6/30, 7/2, 5	2
279	J	"	J	Folk R15T2+7	6/30, 7/3, 5	0
280-281	J	"	A	Wash	6/30, 7/3, 5	1
282-284	J	Reed R20T5	A	Wash	7/3, 5	0
285	J	R19T6	Self		7/3, 5??	0
						Total 168

143 mts according to BOG report

Each pollination number corresponds to a particular bag. They are listed individually on original pollination sheets.

1937

Poll. no.	♀ Par.	♀ Loc.	♂ Par.	♂ Loc.	Date of Poll.	No. nuts
1-7	JA	200B '31 R12T13	E C. sat.	Brookfield Rd. Wash.	6/26, 29, 7/1	2
8-11	JA	R12T13	JA	Booncel Wash. D.C.	6/26, 29, 7/1	0
12-14	JA	R12T13	J	Folk R13T?	6/26, 29, 7/5	9
15-18	JA	R12T13	JA	171A '31 R10T4	6/27, 29, 7/1, 9	6
19-25	JA	R12T8 Sm. 192B '31	JA	Sm. 174B '31 R11T7	6/27, 29, 7/1	16
26-27	JA	R12T7	JA	R11T7	6/27, 29, 7/1	10
28	CS	R12T6	JA	R11T7	6/27, 29, 7/1	3
29-30	JA	R12T5	JA	R11T7	6/27, 29, 7/1	0
31	JA	R12T3	JA	R11T4	6/27, 29, 7/1	5
32-33	JA	R11T3	JA	R11T7	6/29, 7/1, 7	0
34-57	JA	R11T4	JA	R11T7	6/27, 29, 7/1	37
58	JA	R11T5	JA	R11T7	6/29, 7/1, 7	0
59-64	JA	R11T6	JA	R11T7	6/29, 7/1, 7	16
65-68	JA	R11T7	JA	Ham 86 R4T10	6/29, 7/1, 7	13
69	JA	R11T9	JA	R11T7	6/27, 29, 7/1	0
70-71	JA	R11T10	JA	Min. 50-33 R12T9	6/27, 29, 7/1, 6	0
72-74	JA	R11T13	JA	Sm. 171A-31 R10T4	6/26, 29, 7/1, 7	3
75	JC	R11T14A	JA	R10T4	6/26, 29, 7/1, 7	0
76-83	JA	R11T14B	JA	R10T4	6/26, 29, 7/1, 7	17
84-91	JA	R10T14	JA	Sm. 233A RBT12	6/29, 7/1	H
92-94	JA	R10T4	JA	Ham. 86 R4T10	7/1, 7	0
95	JA	R10T4	JA	R4T10	6/27, 7/1, 7	2
96	JS	R10T2	A	Jen. Tenn	7/14, 20	0
97-100	JS	R10T2	E	Cal.	7/14, 20	1
101-103		no cross made				-
104	JS	R10T2	A	Jen. Tenn.	7/14, 20	1
105-106	C	R9T2	A	Sp. 2 + FP 555	6/30, 7/7	0
107-124	C	R9T4	A	FP. 555 + Sp 2 + Penn.	6/30, 7/7, 13	17
125-128	JA	R8T8	JA	Sm. 120C-31 RBT12#3	7/2, 7, 13	16

1937

129-144	C	R8T8	JA	RBT12	6/30, 7/2, 7	36
145-162	E	R8T8	JA	R4T10	7/1, 3, 5	19
163-170	J	R8T2	A	Penn.	7/2, 7, 10	18
171	C	R8T2	JA	R4T10	6/30, 7/5, 7, 10	0
172	E	R8T2	A	Penn.	7/2, 5, 7, 10	9
173-176	JA	R7T3	C	R8T4	7/1, 3, 7, 10	0
177	JA	R7T3	A	Penn.	7/2, 7, 10	0
178	JA	R7T3	C	R8T4	7/1, 3, 7, 10	0
179-183	J	R7T7	A	Penn.	7/2	18
184-192	JA	R6T15	JA	R11T7	6/27, 29, 7/1	39
192A	A	R6T1	C	R1T6	6/29, 7/5, 8	2
193-194	JA	R5T11	JA	RBT12	6/29, 7/1, 6	5
195-198	JA	R5T11	JA	R12T9	6/28, 7/1, 6	8
199-200	S	R3T15	P.	Harvard	7/14, 20	4
201-204	JA	R3T13	JA	RBT12	6/27, 7/1, 6	15
205	S	R3T8	E	Cal.	7/14, 16, 20	3
206-209	S	R3T8	P	Harvard	7/14, 16, 20	1
210-211	S	R3T7	E	Cal.	7/14, 16, 20	0
212-216	S	R3T7	A	Jenn. Tenn.	7/14, 16, 20	3
217-218	S8	R2T1	Oak	G. Mont.	6/23, 25, 29	0
219	S8	R2T1	self		6/22	0
220	S8	R2T1	E + Oak	C. Satira G. Mont.	6/23, 25, 27, 29	1
221	S8	R2T1	S		6/27, 29	2
222-223	S8	R2T1	self		6/22	2
224-226	S8	R2T1	E	Marron sativa	6/27, 29	3
227-229	S8	R2T1	E		6/27, 29	10
230	S8	R2T1	E	sativa Marron	6/27, 29	0
231-234	S8	R2T1	JA	Wash. D.C. Boone	6/27, 29	1
235-239	S8	R2T3	S		6/27, 29, 7/9	14

7/5 poll used of R15T2 Folk

includes a #62A

#90 mixed with #104

record confused on these

m38 o.p.
"C. japonica" o.p.

189A belongs in the group 184-192

Was a mix up on #180 involving 1+2 nuts. Not labeled

also listed as #519

1 nut of 204 mixed with 208

? mixed with 204

240	-S8	R2T3	Oak	Q. mont.	6/23, 25, 29	4
241-242	-S8	R2T3	E	-	6/27, 29	5
243-246	-S8	R2T3	E	Marron	6/27, 29	7
247-268	-C	RIT15	JA	RBT12	7/7, 7/9	30
269-277	-C	RIT12	JA	RBT12	6/30, 7/7	13
278-278A	-C	RIT12	JA	R4T10	7/1, 7	3
279-280	-C	RIT11	JA	R11T6	7/7, 7/9, 13	5
281-295	-C	RIT9	JA	R4T10	7/6, 8	6
296-304	-C	RIT7	JA	R4T10	6/30, 7/3, 6, 13	8
305	-C	RIT7	JA	R4T10	6/30, 7/13	0
306-307	-C	RIT7	JA	RBT12	6/30, 7/6	1
308-315	-C	RIT7	JA	R4T10	6/30, 7/3, 6, 13	10
316-323	-C	RIT6	JA	RBT12	6/30, 7/2, 8	0
323A	-JxS8	RIAT14	JxS8	RIAT13	6/27, 29, 7/6	2
324-327	-C	RIT6	JA	RBT12	6/30, 7/2, 8	2
328-331	-C	RIT5	JA	R4T10	7/7, 13	2
329-331	-C	RIT4	JA	R4T10	7/6, 8, 13	4
332	-C	RIT4		self		2
333A-341	-C	RIT4	JA	R4T10	7/6, 8	24
342-347	-C	RIT3	JA	R4T10	7/3, 6, 13	4
348-350	-C	RIT3	JA	RBT12	6/30, 7/8	1
351-357	-C	RIT3	JA	R4T10	7/3, 7, 13	1
358-368	-C	RIT2	A	No. Haven	7/3, 7, 10	4
369	-C	RIT2	JA	RBT12	7/3, 7, 10	0
370-386	-C	RIT2	JA	RBT12	6/30, 7/8	13
387-388	JA	RBT11	JA	RBT12	6/27, 30, 7/1	0
389	JA	RBT11	JA	R4T10	7/3	0
390-403	JA	RBT12	J	R13T6	6/29, 7/1, 3	25
404	JA	RBT12	JA	R4T10	7/3, 6	

200B = R12T13
3rd time on 6/30
some of these pollinated a

'Sleeping Giant'

200B = R12T13

Includes # 315a

? on pedigree
Could be S8 x J
of 5-34

includes 338A

372, 373, 374, 375, 376

405-414	-JA	RBT12	J	R13T6	6/29, 7/1, 3	36
415	-JA	KAT14	CxS	R14T4	6/28, 30, 7/7	2
416	-JA	RAT11	JA	RBT12	6/29, 30, 7/6	0
417-418	-J	R13T2	JA	R13T5	6/29, 7/2, 4	1
419-420	-JA	R13T5	J	R13T6	7/2, 4, 6	20
421	-JA	R13T5	JA	R13T8	6/29, 7/2, 8	5
422-425	-J	R13T6	JA	R13T8	6/29, 7/2, 8	19
426	-J	R13T7	JA	R13T8	6/29, 7/2, 8	0
427-433	-JA	R13T8	J	R13T6	6/29, 7/2, 4	12
434	-CxS	R14T5	J	R13T6	6/27, 7/5, 8	8
435	-CxS	R14T5	E	R13T5	6/29, 7/2, 7/5	4
436	-CxS	R14T5	E	-	7/13, 15, 17	1
437	-CxS	R14T5	CxS	R12T6	7/5, 8	3
438	-CxS	R14T5	J	R13T6	7/5, 7, 8	2
439-442	-J	R14T6	A	Jen. Tenn.	7/13, 15, 17	2
443-463	-J	R15T2	JA	RBT12	6/29, 7/2, 5	0
464-465	-J	R15T3	JA	RBT12	6/29, 7/2, 5	0
466-478	-J	R15T7	JA	RBT12	6/29, 7/2, 8	1
479-488	-J	R15T9	JA	RBT12	6/29, 7/2, 5	8
489-491	-J	R15T11	J	R13T2	6/29, 7/2, 4, 6	5
492	-JA	R18T5	JA	RBT12	7/2, 4	0
493-517	-J	R20T5	A	F.P. 555	6/29, 7/2, 5	30
518	-A	Spring 1	C	RIT6	6/29, 7/5, 8	0
519	-A	Mt. Cornet	C	RIT6	6/29, 7/5, 8	2

? on pedigree of both parents
or will be Am. of Penn

also listed as # 192A

735 additional checked
704 total # notes in BGG
report

1938

Poll. no.	♀ Par	♀ Loc.	♂ Par.	♂ Loc.	Dates Poll.	No. Nuts
1-2	JA	200B-31 R12T13	JA	Boone 30-14 Arlington	6/26, 29, 7/2	4
3	JA	R12T13	JA C	Boone + R8T7	6/27, 29, 7/2	0
4	JA	R12T13	JA	Boone	6/27, 29, 7/2	1
4A	JA	127A-32 R12T8	C	Deming	7/8, 11	4
5-7	JA	187-31 R12T3	S8xA	R9T6	7/1, 6, 9	6
8	JA	R11T4	A	Tote TVA	6/28	0
9	JA	R11T4	JA	174B-31 R11T7	6/29, 7/1, 7	0
10-31	JA	R11T4	JA	Mint. (50-33) R12T9	6/29, 7/2, 8	41
32-43	JA	174B-31 R11T7	JA	Boone 30-14 Arlington	6/26, 29, 7/2	11
44-46	JA	R10T14	C	R8T7	6/29, 7/2, 6, 8	0
47-50	CJ	Mam. MS R10T5	JA	Ham 86 R4T10	6/30, 7/6, 9	3
51-54	CJ	R10T5	JA	R4T10	6/30, 7/6, 9	14
55-56	CJ	R10T5	S8xA	R9T6	6/25, 28, 7/1, 6	2
57-58	CJ	R10T5	JA	R4T10	6/30, 7/6, 9	2
59	CJ	R10T5	S8xA	R9T6	6/25, 7/1, 6	1
60-62	CJ	R10T5	JA	R4T10	6/30, 7/6, 9	4
63-77	CxJ	USDA S8 R10T2	C	Deming Litchfield	7/8, 7/11	7
78	S8xA	R9T6	C	R8T7	6/28, 7/2, 6	2
79	S8xA	R9T6	S8xA	R3AT3	6/28, 7/5, 9	7
80	S8xA	R9T6	self ?			0
81-100	C	Tiger Paw 78744 R9T7	Smith JA	172A-31 R11T3 or 172B	6/30, 7/1, 5	12
101	C	R9T7	JA	Minturn 50-33 172A or (172B)	6/29, 7/1, 5	0
102-128	C	R9T7	JA	R11T3	6/29, 7/1, 6	20
128A+B	C	R9T8	A	Portland Me.	7/2	0
129-136	C	R9T7	JA	172A + 172B R11T3	6/29, 7/1, 6	4
137-138	C	R9T9	A	Port. Me	7/2	3
139-140	C	R9T10	JA	Ham. 86-31 R4T10	7/2, 7, 9, 11, 14	0
141-148	C	MJ R8T4	JA	50-33 R12T9	6/29, 7/2, 6	21
148A	C	R8T4	self			0

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Mint. R3T12 used m 7/8

Poll. of R1T9 (C) used 7/11

includes 91A + 92A

149-152	C	MJ R8T4	JA	Minturn 50-33 R12T9	6/29, 7/2, 6	8
152A	C	R8T4	self			0
153-154	C	R8T4	JA	50-33 R12T9	6/29, 7/2, 6	6
154A	C	R8T4	self			0
155-188	C	R8T4	JA	Minturn 50-33 R12T9	6/29, 7/2, 6	52
189-192	C	MJ R8T5	JA	R4T10	7/7, 11	2
193-218	C	MJ R8T7	JA	Minturns R12T9 50-33 R3T12 33-33	6/29, 7/8, 11	20
219-224	JA	170C-31 R8T8	A	Syosset Port. Me	7/2, 7	4
225-229	JA	R8T8	C	R1T4	7/7, 7/2	5
230	AxS8	L.I. 60-35 R8T9	C	R8T7	6/29, 7/2, 6	0
231	AxS8	L.I. 26-35 R8T11	C	R8T7	6/29, 7/2, 6	0
232-238	J	USDA For. Type R7T4	A	Port. Me Syosset	7/2, 6, 9	21
238A+B	J	R7T4	self			0
239	J	USDA For. Type R6T13	C	MJ R8T7	6/29, 7/2, 7	
239A	J	R6T13	self			
240	J	R6T13	C	MJ R8T7	6/29, 7/2, 7	
241-242	J	R6T13	A	Port. Me. Syosset	7/2, 7, 11	
243	J	R6T13	C	MJ R8T7	6/29, 7/2, 7	
244	J	R6T13	A	Port. Me. Syosset	7/2, 7, 11	
245	J	R6T13	C	MJ R8T7	6/29, 7/2, 7	
246	J	R6T13	A	Port. Me.	7/2, 7/7	
247	J	R6T13	C	R8T7	6/29, 7/2, 7	
248	J	R6T13	C	Deming + R1T9 Litchfield	7/8, 7/11	
249	J	R6T13	A	Port. Me.	7/2, 7	
250-253	J	R6T13	A	Port. Me. Syosset	7/2, 7, 11	
254	J	R6T13	C	R9T7	6/27, 30, 7/8	
255	J	R6T13	A	Port. Me. Syosset	7/2, 7, 11	
255A+B	J	R6T12	self			
256-258	AxS8	L.I. 26-35 R4T16	A C	Deming, Litch. Syosset		0

all dropped to ground. nuts collected but probably include others. 9-24-34
all had 1-6 nuts.

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259	JA	Ham. 118A-32 R4T14	JA	Minturn 54-33 R12T9	6/29	0	
260	S	R4T2	S8xA	R9T6	6/30, 7/2, 9	1	
261	S	R4T2	Alabama- ensis	USDA	6/25, 28, 30	4	
262	S	R4T2	Ozark	F.P. 626 USDA	6/25, 28, 30, 7/2	0	
263-264	S	R4T2	S8xA	R9T6	6/30, 7/2, 9	0	
265	S	R4T2 43-35	Ashci	Norris Tenn. 88-34	6/28, 30, 7/2	0	
266	S8xA	R3AT6 70317	CxA	RBT3 Conn	7/3, 9, 11	5	
267-269	S	R3T7	A	Fruch	7/12, 14, 16	1	
270-272	S	R3T7	J	T.V.A.	7/12, 14, 16	0	
273-275	S	R3T8	J	T.V.A.	7/12, 14, 16	11	
276-278	S	R3T8	A	Fruch	7/12, 14, 16	1	
279-284	JA	R3T13 10A"-32 Min. 3-33	JA	R3T14 Min. 3-33 Min. 40-31	6/20, 7/5, 8	6	
285-287	JA	R3T14	A	F.P. 555 Port. Mc Syosset	6/22, 7/1, 5, 8	0	
288	JA	R3T14	JA	R12T9 50-33 Ham. 86	6/29, 7/2, 8	1	
289	CxS	R2T11 Folk F2-31	JA	R4T10	7/6, 11, 16	0	
290	J	R2T9 USDA	A	Spring 2	7/9	0	
291-297	CA	R2T7 78636	A	Syosset Spring 2	7/7, 9, 11	2	
298-303	CS	R2T7	JA	R4T10 sn 172B	7/5, 7, 11, 14	19	
304-305	CS	R2T7	JA	R11T4	6/30, 7/6, 9	0	
306-307	CS	R2T7	JA	R4T10	7/5, 7, 11	3	
308	CS	R2T7	JA	R11T4	6/30, 7/6	0	
309-313	CS	R2T7	A	Syosset	7/5, 7, 11	16	
314-317	CS	R2T7	JA	R4T10	7/5, 7, 11	2	
318-321	CS	R2T7	A	Syosset Sp. 2	7/5, 7, 9	5	
322-325	CS	R2T7	JA	R4T10	7/5, 7, 11	3	
326	CS	R2T7	A	Syosset Sp. 2	7/5, 7, 9	0	
327-377	S8	R2T3	C	R8T7	6/28, 30, 7/2	94	includes # 377A
378-386	S8	R2T3	Oak	Q. Montana Mt. Carmel	6/24, 28, 30, 7/2	3	
387-392	S8	R2T3	Oak	Q. alba Mt. Carmel	6/24, 26, 30	2	

392A-393A	S8	R2T3	self			0	no # 393
394-396	S8	R2T3	Oak	B.B.G. Q. alba	6/24, 26, 30, 7/7	0	B.B.G. = Brooklyn Botanic Garden
397-402	S8	R2T3	Oak	Q. montana Inwood, NY.	6/24, 26, 30, 7/7	0	
403-419	S8	R2T1	C	R8T7	6/28, 7/2, 6	21	
420-435	S8	R2T1	A	F.P. 555	6/23, 25, 28	26	
436-457	C	RIT2	JA	R4T10 86-31 Ham	7/5, 7, 9, 11	26	
458-470	C	RIT14 Almost comp T4	A	Spring 1 Syosset Portland Me.	7/1, 3, 5, 7, 8	22	White Mem. Found Litchfield
470A	C	RIT14	self			3	
471-477	C	RIT14	A	Spring 1 Syosset Portland Me.	7/1, 3, 5, 8	8	
478-479	C	RIT6	JA	R4T10 86-31	7/5, 7, 9	2	
480	CS	RIT7	JA	Smith 200B'-31	6/30	2	
481-483	CS	RIT7	JA	R2T12 Min. 14-33	6/30, 7/2, 5	5	
484-485	CS	RIT7	JA	R12T13	6/30	5	
485A	CS	RIT7	self			6	
486-488	CS	RIT7	JA	R12T13	6/30	3	
489-490	CS	RIT7	JA	R2T12 Min. 14-33	6/30, 7/2, 5	1	
491-493	CS	RIT7	A	Seymour T.V.A.	6/30	12	
494-496	CS	RIT7	JA	R2T12 14-33	6/30, 7/2, 3	7	
497	C	RIT9	JA	R4T10 86-31	7/7, 9, 11, 14	0	
498-534	C	RIT9	S8	R2T3	7/1, 3, 6	13	
535-536	S8xA	R1T10	S8xA	R9T6	6/30, 7/2, 5	1	
537-558	C	RIT12	JA	R4T10	7/5, 7, 9, 11	17	
559-568	C	RIT15	JA	R2T12 Min. 14-33	6/30, 7/2, 5	4	
569-573	S	R2T14	C	F.P. 686 T.V.A. Norris, Tenn.	7/18	9	
574-575	S	R2T15	C	58602 gtafts F.P. 686	7/18	0	
576	S	R2T16	C	F.P. 686	7/18	0	
577-583	JA	RBT12	C	R9T7 233A-31	6/27, 28, 30, 7/2, 6	2	
584	JA	RBT12	JA	R3T14 Min. 3-33	7/2, 6	0	
585	JA	RBT12	J	Folk R13T2	6/28, 7/2, 6	2	

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586	JA	233A-31 RBT12	JA	2008'-31 R12T13 Folk-30	6/30	1
587	JA	RBT12	J	R13T2 Mint 3-33	6/28, 7/2, 6	0
588-596	JA	RBT12	JA	R3T14	6/29, 7/2, 6	9
597-599	JA	RBT12	C	R9T7	6/27, 28, 30, 7/2, 6	9
600	JA	RBT12	A	T.V.A., Taff + Sp. 2 3-33	6/25, 28, 7/2	0
601	JA	RBT12	JA	R3T14	6/29, 7/6	4
602	JA	RBT12	A	Spring + Syasset	7/2, 7/6	0
603-607	JA	RBT12	C	R9T7 3-33	6/27, 4/28, 30, 7/2, 6	1
608	JA	RBT12	JA	R3T14	6/29, 7/2, 6	0
609-622	JA	233B-31 RBT11	J	Folk-30 R13T2	6/25, 28, 7/6	19
623-629	JA	RBT11	A	Seymour, Taff, Sp. 2 Folk-30	6/25, 28, 7/2	5
630-631	JA	RBT11	J	R13T2	6/25, 30, 7/2, 6	0
632-635	JA	RBT11	A	Seymour, Taff, + Sp. Folk-30	6/25, 28, 7/2	0
636-637	JA	RBT11	J	R13T2	6/25, 28, 30, 7/6	1
638-644	JA	226A'-31 RAT11	C	R1T6	6/28, 30, 7/6, 8	6
645	58xA	RBT1	58xA	R7T6 Minturn 86-31	6/29, 7/3, 9	0
645A,B,C	A	Spring 2 Folk 30	JA	R12T9 86-31	7/6, 9, 12	0
646-649	J	R13T2	JA	R4T10	7/3, 9, 11	9
650-651	J	R13T2	A	F.P. 555	6/22, 25, 28, 7/7	2
652	J	R13T2	C	Deming	7/8	3
652A	J	R13T2	self			0
653	J	R13T2	JA	R4T10	7/3, 9, 11	5
654	J	R13T2	A	Syasset 86-31	7/7	0
655-657	J	R13T2	JA	R4T10	7/3, 9, 11	1
658-659	J	R13T2	A	F.P. 555 86-31	6/22, 25, 28, 7/7	4
660-662	J	R13T2	JA	R4T10	7/3, 9, 11	1
662A	J	R13T2	self			1
663	J	R13T2	JA	R4T10 86-31	7/3, 9, 11	3
664-666	J	R13T2	A	F.P. 555	6/22, 25, 28, 7/7	0

667	58xT	5C-34 R13T4	A	F.P. 555	6/22, 25, 28, 7/7	4
667A	58xT	R13T4	self			0
668-671	58xT	R13T4	A	F.P. 555		14
672	58xT	R13T4	C	R8T7	6/29, 7/3	2
673-674	JA	241B'-31 R13T8	J	Folk-30 R13T2	6/29, 7/2, 7	0
675	JA	R13T8	C	Deming	7/8, 11	0
676	JA	R13T8	J	R13T6 R13T2	6/30, 7/2, 7	2
677	JA	R13T8	C	Deming	7/8, 11	0
678-682	JA	R13T8	J	R13T6 R13T2	6/30, 7/2, 7	4
683	JA	R13T8	C	Deming	7/8	0
684-685	JA	R13T8	J	R13T6 R13T2	6/30, 7/2, 7	4
686-691	JA	R13T8	C	Deming	7/8, 11	11
692-697	JA	R13T8	J	R13T6 R13T2	6/30, 7/2, 7	0
698	JA	R13T8	JA	Mint. 3-33 R3T14	6/30	3
699-700	JA	R13T8	C	Deming	7/8, 11	1
701-703	JA	R13T8	J	R13T6 R13T2 ^{Folk}	6/30, 7/2, 7	0
703A,B	JA	R13T8	self			0
704	JA	R13T8	C	Deming	7/8, 11	0
705-706	JA	R13T8	C	Deming	7/8, 11	10
707	C+S	20-34 R14T5 Folk-30	A	F.P. 555	6/22, 25, 28, 7/7	1
707A	J	R15T2	self			
708-709	J	R15T2	JA	R11T4	6/30, 7/8, 13	3
710	J	R15T2	A	F.P. 555	6/22, 25, 28, 7/7	2
710A	J	R15T2	self			0
711	J	R15T2	JA	R11T4 172B	7/1, 8	0
712	J	R15T2	JA	R4T10	7/3, 9, 11	3
713-726	J	R15T2	JA	R11T4	7/1, 8, 13	48
727-728	J	R15T2 Folk-30	C	Litchfield Deming	7/8, 11	5
729-733	J	R15T3	C	R1T9	7/1, 7, 9	2

734-738	J	Folk '30 R15T9	C	R1T9	7/1, 7, 9	9	
739-740	58xA	51A-35 R17T10	C	R1T9	7/1, 3, 6, 7, 9	0	
741	PxA	Pumila x Pent. R17T3	JA	R11T4	7/8, 11	1	on basis of chart this 9 might be 12-35 CTRA
742	JA	241B'-31 R18T5	C	R8T7	6/30, 7/3, 7, 9	5	
746A	J	Reed '11-31" R18T7		self		0	
747-751	J	R18T7	C	R8T7	6/30, 7/3, 7, 9	7	
752-	J	R18T7	A	F.P. 555	6/22, 25, 28	0	
753-757	J	R18T7	C	R8T7	6/30, 7/3, 7, 9	2	
758-761	J	R18T7	A	F.P. 555	6/22, 25, 28	1	
761A	J	R18T7		self		0	
762-763	J	R18T7	C	R8T7	6/30, 7/3, 7	3	
764-783	J	Reed 5-31 R19T6	A	sp. 2 Syosset	7/1, 9, 11	42	includes 782A
783A	J	R19T6		self		1	
784	J	10-31 Reed R20T5	JA	Min. 19-33 R8T7	7/3, 7	0	
785	J	R20T5	JA	3-33 + R12T9 R3T14	7/1, 7, 8	0	
786	J	R20T5	C	R8T7	7/3, 7	0	
787-789	J	R20T5	JA	3-33 R3T14	7/1, 7	2	
790-791	J	R20T5	JA	R12T9 R3T14	7/1, 7, 9	2	
792-795	J	R20T5	A	Syosset	7/9, 3	0	
796-797	J	R20T5	JA	Min. 3-33 R3T14	7/1, 7, 9	4	
798	J	R20T5	C	R8T7	7/3, 9	0	
799	J	R20T5	A	Syosset	7/9, 13	0	
800-805	J	R20T5	JA	Min. 3-33 R3T14	7/1, 7, 9	4	
806	J	R20T5	C	R8T7	7/3, 9	0	
807-808	J	R20T5	A	Syosset	7/9	0	
809-812	J	R20T5	JA	3-33 R3T14	7/1, 7, 9	1	
813	J	R20T5	C	R8T7	7/3, 9	1	
814-815	J	R20T5	JA	7-33 R3T14	7/1, 7, 9	0	
816	J	R20T5	A	Syosset	7/9	0	

817-825	J	Reed 10-31 R20T5	C	R8T7	7/3, 9	0	
826		Label	Lost			0	
827-829	J	R20T5	JA	Min. 3-33 R10T8 + R3T12 R3T14	7/1, 7, 9	1	
830	J	R20T5	C	R8T7	7/3, 9	0	
831-832	J	R20T5	JA	R10T8 + R3T12 R3T14	7/1, 7, 9	0	
833	J	R20T5	C	R8T7	7/3, 9	0	
834	CXS	R12T6	C	R1T14	7/30	5	

Total 960

Seems more likely the
poll. date was 6/30
930 route according to
BBG report

38

1-3	J	³⁵ Triangle OPEN ON 35 Triangle E. of 1, 2, 3 nat. 35 Triangle W. of 1, 2, 3	A	McDaniel Tenn.	6/18, 20, 22, 24	14
4	J		A	Mc. Daniel Tenn.	6/18, 20, 22, 24	0
5-6	J		A	Mc. Daniel Tenn.	6/18, 20, 22, 24	3
7-18	J	n. of wall USDA	A	Mc. Daniel	6/18, 20, 22, 24	10
19-20	J	78626 ^{R7T8}	Alnif	Tenn.	6/18, 20, 22, 24	0
21-23	J	R6T12 Folk-30 www	Alnif	Tenn.	6/18, 20, 22, 24	0
24	J	R13T2 Folk	A	stake Roanoke, V.	6/22, 24, 27	5
25	J	R13T3 5C-34	A	Roanoke, V.	6/22, 24, 27	0
26	S8xJ	R13T4 Folk-30 x6m.	A	Roanoke, V.	6/22, 24, 27	3
27	J	R13T6 Folk-30 org	A	Roanoke, V.	6/22, 26, 29	33
28	J	R13T7 26-28 ^{USDA}	A	Roanoke, V. Naylor	6/22, 26, 29	23
29	S8	R2T3 17A-34	J	Little silver stake	6/20, 23, 26	15
30	CxS	R12T6 115C-35	A	Roanoke, V. Folk-30	6/23, 26, 29	10
31	JxS8	R7T12 L.I. 26E-35	J	R13T2	6/23, 26, 29	5
32	AxS8	R8T11 Sm 177C-32	J	R13T2	6/23, 26, 29	2
33	JA	R5T11 Sm 178C-31	J	R13T2 Naylor	6/24, 26, 29	30
34	JA	R11T13 115B-35	J	Little silver Folk-30	6/26	0
35	JxS8	R8T14 43A-35	J	R13T6	6/26, 29, 7/2	16
36	S8xA	R9T8 40-35	S8	R2T1	6/26, 29, 7/2	0
37	S8xA	R9T6 52-35	S8	R2T1	6/26, 29, 7/2	13
38	S8xA	RBT1	S8	R2T1	6/26, 29, 7/2	8
39	AxS8	R4T16 L.I. 26B-35 Sm. 17A-31	S8	R2T1 Mint. 33-33	6/26, 29, 7/2	4
40	JA	R6T15 USDA 78626	JA	R3T12 88A-35	6/26, 29, 7/3	19
41	J	R7T4	JA	R5T14	6/26, 29, 7/2	127
42	A	Spring Folk F2-31	Neglecto	Tenn.	6/27, 7/1, 4	6
43	J	R2T9 26-27	Neg.	Tenn. 88A-35	6/27, 7/1, 4	13
44	S8	R2T1 44A-35	JA	R5T14 88A-35	6/27, 7/1, 4	30
45	S8xA	R7T6 42-35	JA	R5T14	6/27, 7/1, 4	0
46	S8xA	R6T10	JA	R5T14	6/27, 7/1, 4	5

Location (n. of wall)
now meaningless (1952)

47	C	^{USDA 27-31} Mem. R10T5	JA	88A-35 R5T14	6/27, 7/1, 4	7
48	C	R10T5	S8	R2T1	6/27, 7/1, 4	3
49	C	R10T5 Sm 170A-31	JxS8	115C-35 R7T12 Sm 170A-31	6/27, 7/1, 4	10
50	JA	R6T15 Folk 30	JA	R7T3 20-34	6/27, 7/1, 4	4
51	J	R15T2 51A-35	CxS	R14T5 Folk 2-31	6/28, 7/1, 4	31
52	S8xA	R17T10 20-34	J	R2T9	6/28, 7/1, 4	2
53	CxS	R14T5 Recd 2-31	J	R2T9	6/28, 7/1, 4	35
54	J	R19T3 170A-31	JA	88A-35 R5T14 Recd 2-31	6/28, 7/1, 4	3
55	JA	R7T3 Sm 110-32	J	R19T3	6/28, 7/1, 4	10
56	JA	R11T6 12A-35	J	R19T3 Folk 2-31	6/28, 7/1, 4	18
57	CJxA	R17T3 170A-31	J	R2T9 170A-31	6/28, 7/1, 4	3
58	JA	R7T3 R2T4, 48-33	JA	R6T15 Folk-30	6/28, 7/1, 4	5
59	JA	Minturn Sm 226A-31	J	R15T2 Folk-30	6/29, 7/2, 5	5
60	JA	RAT11 233A-31	J	R15T2	6/29, 7/2, 5	15
61	JA	RBT12 101B-35	J	R15T2	6/29, 7/2, 5	21
62	JAJA	R9T15 115D-35	J	R13T6 Mt. Carmel	6/29, 7/2, 5	0
63	JxS8	R2T6 FPI-31 mem.	A	Spring	6/29, 7/2, 5	0
64	C	R10T5 ^{USDA 29} 86-34	A	Spring	6/29, 7/1, 4, 7	0
65	J	R1T7 86-34	A	Spring Folk 2-31	7/2, 5, 8	41
66	CxA	R4T5 USDA 31 18744	J	R2T9 86-34	7/3, 6, 8	0
67	C	R9T9	CxA	R4T5	7/3, 6, 8	7
68	JA	R4T13 Ham. 117-33	JA	R5T11 Sm. 177C-32	7/3, 6, 10	1
69	JA	R3T6 Mint 31-33	C	R9T9 FPI-31	7/3, 6, 8	10
70	JA	R3T12 Mint 33-33	C	R9T9 FPI-31	7/3, 6, 8	11
71	JA	R3T14 Mint 3-33	JA	R12T9 Mint 50-33	7/3, 6, 8	11
72	JA	R11T4 Sm. 172B-31	E	R23T5	7/3, 6, 8	4
73	JA	R4T10 Ham 86-31	J	R19T3 Recd 2-31	7/3, 6, 10	6
74	JA	R12T13 200B-31	E	R23T5	7/3, 6, 10	1
75	C	R1T4 USDA -29	JA	R4T10 Ham 86	7/4, 7/10	0

Reciprocal of # 58

Original CJ ? is still
questionable

Reciprocal of # 50

White Mem. Foundation
Litchfield

46

50

54

58

61

70

89

1415

2008

2010

2016

38

Row #	Code	USDA-29	Parent	Ham #	Date	Count
76	- C	RIT15	JA	R4T10	7/4, 7, 10	8
77	- S8	R2T3	JA	R4T10	7/4, 7, 10	9
78	- JA	R12T9	C	RIT4	7/4, 7, 10	0
79	- S8	R2T3	C	RIT4	7/4, 7, 10	15
80	- S8	R2T3	JA	R3T14	7/4, 7	15
81	- CxS	R2T11	A	Spring	7/5, 8, 10	2
82	- S	R4T2	JA	R3T6	7/6, 10	11
83	- C	RIT9	JA	R3T5	7/6, 10, 12	12
84	- CS	R2T7	JA	R4T12	7/6, 10, 12	1
85	- CS	R2T7	JA	R4T10	7/6, 10, 12	1
86	- C	RIT5	JAxJA	R9T15	7/7, 10	34
87	- S8	R2T3	J	R7T4	7/7, 10	1
88	- S8	R2T3	Emasc + bagged Not poll. by hand.		6/19	0

Total 767
add checked
767 note according
to BBG report

Poll. #	♀ Parent	♀ Location	♂ Par.	♂ Location	Dates Pollinated	# bags initially	# nuts
1	- J	R13T2	A	Stark Bros. La., Mo	6/29	6	0
2	- J	R7T7	P	Burbank Am #1 Pumila	6/28, 30, 7/2	28	6
3	- S8xJ	R4T6	JxS8	R7T12	6/28, 30, 7/2	11	1
4	- JxS8	R7T12	S8xJ	R4T6	6/28, 30, 7/2	4	0
5	- AxS8	R10T9	Alnit	Alnitula Mc Dan	6/29, 7/1, 3	2	0
6	- J	Δ1	Flor	Floridana Clappes	6/29, 7/1, 3	10	3
7	- J	R13T2	Neglecta	TVA Mc Dan Le Sneur	6/29, 7/1, 3	12	0
8	- S8xJ	R13T4	Neglecta	TVA Mc Dan Le Sneur	6/29, 7/1, 3	5	0
9	- J	R13T2	A	N.J. Grassman	7/1, 3, 5	7	7
10	- S8	R2T1	C	"Mc Dan" Howill	7/1, 3, 5	10	1
11	- S8	R2T3	Neglecta	Mc Dan Hogan	7/1, 3, 5	22	3
12	- S	R4T2	A	"Everbearing" Mc Dan	7/1, 3, 5	5	3
13	- S8xA	RBT1	Oak	Q. mongolica B.B.G.	7/1, 3, 5, 6	3	0
14	- S8	R2T3	Oak	Q. Robur E. B.B.G.	7/1, 3, 5	9	0
15	- S8xJ	R15T1	S8xJ	5C-34 R13T4 Mc Dan	7/1, 3, 5	1	3
16	- J	Δ NW.	A	"Downs" N.J.	7/1, 3, 5	9	20
17	- JxS8	R2T6	A	Grassman	7/3, 5, 8	4	0
18	- JxS8	R7T12	A	Grassman	7/3, 5, 8, 10	3	1
19	- JxA	R7T13	JxA	88A-35 R5T14	7/3, 5, 8	10	1
21	- J	R13T2	A	Burbank #5 Stark La., Mo	7/3, 5, 8	14	5
22	- J	R7T4	A	Burbank #4 Stark La., Mo.	7/3, 5, 8	16	8
23	- J.OP	R3AT17	A	"	7/3, 5, 8	2	0
24	- AxS8	R8T11	S	R30T16	7/3, 5, 8, 10, 13	5	0
25	- S8xE	R58T42	A	Burbank #5 Stark La., Mo	7/3, 6, 10	1	0
26	- S8xE	R50T25	A	"	7/3, 5, 10	3	0
27	- J	R13T7	A	" #3	7/3, 5, 8	15	2
28	- CxS	R12T6	CxS	20-34 R14T5	7/4, 6, 8	3	1
29	- CxS	R12T6	A	Burbank #5 Stark La., Mo.	7/4, 6, 8	3	0
30	- JA	R3T10	JA	Ham. 134A-31 31-33 Mint.	7/4, 6, 8	7	0

These might be selfs

#20 omitted

+ 1 selfed

1-36 not normal poll. number Ham. open poll. JA x ?

38

31	-JA	Mint 31-33 R 3 T 6	JA	134A-31 Ham. R 3 T 10	7/4, 6, 8	15	1	
32	-CS	R 10 T 5 40-35	A	Burbank #5 Stark La., Mo. Q. mongolica	7/4, 6, 8	11	7	
33	-S8xA	R 9 T 6	Oak	B.B.G.	7/4, 6, 8	8	0	
34	-JxA	Winthrop 31 R 3 T 11	JxA	Mint 48-33 R 2 T 4	7/6, 8, 10	13	19	
35	-JxA	Mint 12-33 R 4 T 12	JxA	Mint. 48-33 R 2 T 4	7/6, 8, 10	5	0	
36	-JxA	Mint 48-33 R 2 T 4	JxA	Mint 12-33 R 4 T 12	7/6, 8, 10	2	0	
37	-JxA	Sm. 233A-31 R B T 12	JxA	Sm. 195C-32 R A T 15	7/6, 8, 10	13	10	
38	-JAxJA	Sm x Sm. R 56 T 48	JA	Mint R 2 T 4	7/6, 9, 13	2	1	#39 omitted
40	-CxS	20-34 R 14 T 5	CxS	17A-34 R 12 T 6	7/8, 10, 12	5	19	
41	-AxS8	LJ60A-35 R 8 T 9	JxS8	115-35 R 7 T 12	7/6, 8, 10	8	6	
42	-JA	Sm. 338-31 R B T 10	JAxJA	Sm. 2-35 R 2 T 10	7/8, 10	0	0	
43	-JA	233B-31 R B T 11	JAxJA	Sm. x Sm. 2-35 R 2 T 10	7/8, 10, 12	9	9	
44	-C	R 9 T 10	JA	Ham 134A-31 R 3 T 10	7/9, 11, 12	4	4	
45	-JA	Winthrop 40-31 R 3 T 11	JAxJA	69-36 R 4 T 7	7/8, 10, 12	21	51	
46	-C	98744 R 9 T 10	A	Pa. Lingletown	7/9, 11, 13	6	7	
47	-S8xA	43A-35 R 9 T 8	CxS	17A-34 R 12 T 6	7/8, 10, 12	1	2	
48	-C	R 1 T 6	JA	134A-31 R 3 T 10	7/8, 10, 12	20	0	
49	-J	R 1 T 7	JA	233A-31 R 13 T 12	7/8, 10, 13	10	6	
50	-J	Δ mid.	A	Lingletown Pa.	7/8, 10, 12	6	7	
51	-J	R 13 T 2	A	Pa. Lingletown	7/8, 10, 12	17	?	
52	-C	R 1 T 12	JA	Ham. 134A-31 R 3 T 10	7/9, 11, 13	36	12	
53	-J	R 15 T 2	A	Monroe Ham 134A-31	7/9, 11, 17	10	12	
54	-J	R 15 T 2	JA	R 3 T 10	7/9, 11, 17	18	15	
55	-C	pt. 8833 R 8 T 4	A	Monroe	7/9, 11, 13	7	16	♀ not bagged
56	-A	Mt. Carmel Spring	C	R 1 T 6	7/9, 11, 13	71	10	
57	-A	Mt. Carmel Spring	J	R 13 T 2	7/9, 11, 13	17	5	
58	-CxS	R 14 T 5	A	Monroe	7/9, 11, 14	4	2	
59	-JAxOP	86-31 OPEN R 50 T 40	J	R 13 T 2	7/10, 13, 16, 18	10	0	
61	-S8xJ	R 13 T 4	A	Monroe	7/10, 13, 16	7	16	#60 omitted

64	-JA	187-31 R 12 T 3	Flor.	Floridana Clapper	7/10, 13	3	1	#62 + 63 omitted
65	-CS	48636 R 2 T 7	A	Monroe 50-33	7/10, 13, 18	17	2	
66	-C	R 1 T 4	JA	R 12 T 9	7/11, 13, 15	11	3	
67	-JA	226C-31 R A T 14	J	R 13 T 2	7/11, 13, 16	2	0	
68	-JA	192B-31 R 12 T 7	JA	50-33 R 12 T 9	7/11, 13, 15	4	5	#69 omitted
70	-AC	AXS8 L.I. 25K-35 R 10 T 10	JA	R 12 T 9	7/11, 13, 16	1	2	
71	-AxS8	R 10 T 9	J	R 13 T 2	7/11, 13, 16	3	3	
72	-JA	Sm. 187-31 R 12 T 3	JA	Ham 86 6ft. Δ 86-31	7/11, 13, 15	1	3	#73 omitted
74	-C	78744 R 9 T 9	JA	Mint. R 12 T 9	7/11		0	
75	-C	R 9 T 7	JA	R 12 T 9	7/11, 13, 17	9	9	
76	-AxS8	R 4 T 16	CS	48636 R 2 T 7	7/11, 13, 15	4	32	not bagged but emasculated
77	-C	R 1 T 15	JA	Ham 86 6ft. R # T 4	7/11, 13, 17	20	4	
78	-C	R A T 7	JA	Mint. 7-33 R A T 6	7/11, 13, 15	3	0	
79	-S	R A T 8	S8xA	R A T 1	7/13	1	0	
80	-J	Folk R 13 T 6	A	N.J. Grassman	7/16, 18, 20	2	1	
81	-JxJA	R 51 T 42	CSxJ	R 50 T 15	7/13, 17, 20	3	1	
82	-J	Folk R 13 T 7	A	Grassman, N.J.	7/16, 18, 20	3	0	
83	-JA	Ham 86 R 4 T 10	J	R 13 T 2	7/16, 18, 23	4	8	
84	-JA	Winthrop 31 R 3 T 11	JAxA	21A-34 R 5 T 9	7/18, 23	2	8	
85	-AxS8	R 11 T 2	JAxA	21A-34 R 5 T 9	7/18, 23	2	4	
86	-JC	58? R 10 T 2	A	P. H. Smith Pending, N.J.	7/19, 23	8	19	S8 in R10T2 in 1931
87	-JxS8	115B-35 R 8 T 14	self			4	0?	
88	-C	R 1 T 9	JA	Winthrop 40-31 R 3 T 11	7/30		?	

Total 402 add. checked
401 nuts according
to BBG report

Poll. #	♀ Parent	♀ Location	♂ Parent	♂ Location	Date Poll.	No. Eggs	No. Nuts
1	J	Folk R13T7	A	Beaver Hill Hamden	6/24, 27, 30	7	4
2	J	R13T7	A	TVA Mc Dan Pumila	6/24, 27, 30	6	3
3	J	R15T2	P	Chest. Corner Ham 134A-31	6/24, 27	8	10
4	J	R13T2	JA	R3T10 Sum. 170C-31	6/24, 27, 7/1	8	28
5	J	R13T2	JA	R8T8	6/24, 27, 7/1	8	11
6	JA	Ham. 99A-33 R3T5	J	R13T2	6/24, 27, 30	8	14
7	AxC	L.I. 58-35 R10T13	J	R15T2	6/24, 25, 27, 28, 30	4	0
8	P	R2AT39 99A-33	J	R15T2	6/24, 27	2	0
9	JA	R3T5	J	R15T2	6/24, 27, 30	3	3
10	J	R13T2	JA	Mint. 48-33 R2T4 99A-33	6/25, 28, 30	3	7
11	J	R15T2	JA	R3T5 TVA	6/25, 28, 30	8	6
12	J	R13T6	A	Mc Dan	6/25, 28, 30	8	17
13	J	R13T7	A	F.P. 1000 31-33	6/25, 28	5	0
14	J	R13T7	JA	R3T6 31-33	6/26, 30, 7/2	5	9
15	J	R13T6	JA	R3T6	6/26, 30, 7/2	11	21
16	JA	48-33 R2T4 40-31	J	R13T2	6/26, 30, 7/2	4	2
17	JA	R3T11 31-33	J	R13T2	6/26, 30, 7/2	10	21
18	JA	R3T6 233B-31	JA	R4T10 86-31	6/30, 7/2, 5	8	3
19	JA	RBT11 238-31	JA	R4T10 86-31	6/30, 7/2, 5	14	0
20	JA	RBT10 227D-37	JA	R4T10	6/31, 7/2, 5	4	3
21	S8xE	R58T45 515-37	J	Early Tap Δ W. Lot	6/22, 25, 28	3	15
22	JA	R51T33 420-37	Oak	Q. alba BBG. 5/7/41	6/23, 25, 28	2	0
23	JAxJ	R54T11	Oak	"	6/23, 25, 28	1	0
24	CSxJ	R50T15	A	Beaver Hill Hamden	6/23, 25, 28	1	0
25	CSxJ	R50T18 -37	A	"	6/23, 25, 28	2	0
26	JAxopen	R52T35	JAxJ	R52T5 Jx Ham 86	6/23, 25, 28	1	0
27	JAxopen	R54T41 242-37	JxJA	R56T7	6/23, 25, 28	1	0
28	S8xE	R61T42	CSxE	R50T6 O. montana	6/23, 25, 28	1	1
29	J	R13T6	Oak	By cabin	6/25, 28	2	0

Recopied sheet says 15 nuts

B.B.G. = Brooklyn Est. Blandh.

30	JA	14-33 R2T12	JA	86-31 R4T10	6/30, 7/2, 5	15	2
31	JA	241B-31 R13T8	J	Folk R13T2	7/2, 5, 7	4	1
32	JA	154-32 R13T11	J	R13T2	7/2, 5, 7	1	0
33	JQ	45DA m-38? R10T14	A	N.Y.	7/7, 10, 12	1	0
34	JQ	45DA m-38? R10T14	Oak	Q. alba B.B.G.	7/7, 10, 12	1	0
39	C	R1T2	CA	88-34 RBT3	6/30, 7/3, 5	3	3
40	JA	99A-33 R3T5	JA	134A-31 R3T10	6/30, 7/3, 5	6	7
41	JA	187-31 R12T3	JA	134A-31 R3T10	6/30, 7/3, 5	1	1
42	JA	12-33 R4T12	JA	134-31 R3T10	6/30, 7/3, 5	6	4
43	JA	12-33 R4T12	JAxJA	2-35 R2T10	6/30, 7/3	10	16
44	C	R1T9	A	Mc Dan. TVA + Monroe	7/1, 3, 5	20	3
45	C	R1T4	AxC	RBT3 (CxA)	7/1, 3, 5	3	1
46	C	R1T5	AxC	"	7/1, 3, 5	1	2
47	JA	169-31 R5T16	JA	86-31 R4T10	7/1, 3, 5	1	0
48	JA	Wia 40-31 R3T11	JA	86-31 R4T10	7/1, 3, 5	7	18
49	JA	99A-33 R3T5	J	Folk R13T2	7/1, 3, 5	3	3
50	JA	48-33 R2T4	J	R13T2	7/1, 3, 5	2	0
51	JA	86-31 R4T10	J	R13T2	7/1, 3	0	0
52	JA	192B-31 R12T7	J	R13T2	7/1, 3, 5	10	20

Total 248 add. checked

260 nuts according to BBG report

1	JAxJ	4208-37 R54T5	JxJA	481-37 R57T21	6/19,22,25	8
2	JAxopen	R52T35 3B-32xopen 194A-37	J	R13T2 Folk	6/19,22,25	20 <i>open probably Jap</i>
3	JAxJA	R56T28 187C-37	J	R13T2 Folk	6/19,22,25	3
4	JAxJA	R52T24 3B-32xopen	J	R13T2 Folk	6/19,22,25	0
5	JAxopen	R52T35 3B-32xopen (R13T5)	J	R13T2 Folk	6/19,22,25	0
6	JAxopen	R52T35 194A-37	JAxopen	R52T38 3B-32xopen	6/19,22,25	37
7	JAxJA	R56T28 3B-32xopen	JAxopen	R52T38 3B-32xopen	6/19,22,25	4
8	JAxopen	R52T38 Folk	JAxopen	R52T35 Folk	6/19,22,25	4
9	J	R13T2 Folk	JAxopen	R52T33	6/20,24,26,29	24
10	J	R13T2 115-35	JAxopen	R52T35 115B-35	6/20,24,26	16
11	JxS8	R7T12 115B-35	JxS8	R8T14 115-35	6/19,22,25	4
12	JxS8	R8T14 489-37	JxS8	R7T12 R7T7xPa	6/19,22,25	22
13	JxJ	R62T48	JA	R63T46 489-37	6/19,22,25	5 <i>Not sure of poll. # of parent</i>
14	JA	R63T46 For. Type	JxJ	R62T48 Bowie, Md.	6/19,22,25	8
15	J	R6T6	P	R1T6? For. Type	6/19,22,25,29	0
16	P	RZT1 179-37	J	R6T6 R2T7xPa	6/19,22,25	0 <i>RZT1 was later mtd. Deming</i>
17	JA	R63T44 No label status	JA	R63T46 179-37	6/19,22,25	5 <i>♂ 179+37</i>
18	?	R63T40 261-38	JxJ	R62T48 R2T7xPa	6/19,22,25	5
19	SxAla	R57T35 659-38	JA	R63T46 (Mont.) 240-37	6/19,22,25,29	35
20	JA	R56T11 515C-37	S8xOak	R11T10	6/20,23,26	? <i>pollinated with ♀ 26 a. alba</i>
21	JA	R51T33 400E-37	S8xOak	R11T10	6/20,23,	0
22	JAxJ	R52T5 Folk	JAxJ	R54T5 3B-32xOPEN	6/22,25,29	3
23	J	R13T7 Folk	JAxopen	R52T33 Ham 99A-33	6/22,25	0
24	J	R13T2	JA	Δ 6ft. 134A-31	6/22,25,29	3
25	J	R13T7 Carr. Gft.	JA	R3T10 Elizabeth N.J.	6/22,25,29	7
26	C	R1T1 48-33	A	Grossman 99A-33	6/22,25,29	8
27	JA	R2T4 99A-33	JA	R3T5 48-33	6/24,26,29	1
28	JA	R3T5 134A-31	JA	R2T4 ?	6/24,26,29	0
29	JA	R3T10	JAxA	R2AT25	6/24,26,29	0

30	JAxJ	400A-37 R52T1	JAxJ	400E-37 R52T5	6/24,26,29	42
31	JAxJ	JAxJ R52T17 182C-37	JAxJ	400E-37 R52T5	6/24,26,29	0
32	JA	R56T9 515-37	JA	484B-37 R57T3	6/25	0
33	JA	R51T33 493+37	JA	493+37 R51T29	6/24,26,29	5
34	JA	R51T29 484B-37	JA	515-37 R51T33	6/24,26,29	0
35	JxJA	R57T3 421A-37	JAxJ	400A-37 R52T1	6/24,26,29	0
36	JAxJ	R51T13 R6T15 170-31xopen	JAxJ	400D-37 R52T17	6/24,26,29	19
37	JAxopen	R54T40 R13T5 38-32xopen	JAxopen	R13T5 38-32xopen R52T35	6/24,26,29	0
38	JAxopen	R52T31 141B-31xR13T6	JAxJ	400D-37 R52T17	6/24,26,29	1
39	JAxJ	R51T16 420A-37	JAxJ	400D-37 R52T17	6/24,26,29	8 <i>♀ parent ? 427+37</i>
40	JAxJ	R54T11 48-33	JAxJ	400E-37 R52T5	6/24,26,29	0
41	JA	R2T4 99A-33	J	Folk R13T2	6/24,26,29	8
42	JA	R3T5 134A-31	J	Folk R13T2	6/24,26,29	1
43	JA	R3T10 Folk	J	Folk R13T2	6/24,26,29	5
44	J	R13T7 Folk	JA	170C-31 R8T8	6/25,29,7/3	13
45	J	R13T2 Folk	JA	99A-33 R3T5	6/26,29,7/3	10
46	J	R15T2 Folk	JA	48-33 R2T4	6/26,29,7/3	14
47	J	R15T2 Folk	JA	JA-33 R3T5	6/26,29,7/3	11
48	J	R15T2 506-37	JA	48-33 R2T4	6/26,29,7/3	4
49	JA	R58T5 659-38	JA	659-38 R56T11	6/26,29,7/3	9
50	JA	R56T11 184A-37	JA	506-37 R58T5	6/26,29,7/3	3
51	JAxJA	R58T7 182C-37	JxJA	182C-37 R56T9	6/26,29,7/3	6
52	JxJA	R56T9 410-37	JAxJA	194A-37 R56T28	6/29,7/4	11
53	JAxJ	R52T19 511A-37	JxJA	182C-37 R56T9	6/26,29,7/4	12
54	JA	R51T42 154-32	JA	659-38 R56T11	6/26,29,7/4	35
55	JA	R13T11 Nanalepaensis	JA	236B-31 R18T1	6/26,29,7/4	3
56	?	R15T6 241B-31	JA	241B-31 R13T8	6/26,29	0 <i>Branch broke</i>
57	JA	R13T8	JA	236B-31 R18T1	6/26,29,7/4	12 <i>♀ could be Henryi</i>
58	J	R13T2	JA	86-31 Ham. Δ Gft.	6/29	0 <i>See # 67</i>

59	JAxT	38-32xR1376 R51T9	A	Eliz. N.J. Grassman	6/27, 7/1, 3	2	
60	JA	31-33 ^{minturn} R3T6	JA	48-33 R2T4	6/27, 30, 7/3	1	
61	C	45DA R1T12	CA	73587-37 R2AT37	6/27, 30, 7/3	11	
62	P	Bowie R2AT39	CA	1050-34, 86-34 R2T8-R4T5	6/27	0	
63	JA	169A-31 R5T16	JA	134A-31 R3T10	6/27, 30, 7/3	3	
64	JA	134A-31 R3T10	JA	169A-31 R5T16	6/27	0	
65	J	R13T2	JA	134A-31 R3T10	6/27, 30, 7/3	17	
66	C	45DA R1T6	JA	48-33 R2T4	6/27, 30, 7/3	0	
67	J	Folk R13T2	JA	86-31 Δ 6ft	6/29, 7/3, 6	9	
68	JA	87B-32 RAT5	JA	48-33 R2T4	6/29, 7/3, 6	0	
69	C	26-29 45DA R1T12	JA	86-31 R4T10	6/29, 7/3, 6	13	
70	C	R1T15	JA	R19T6xAm R2AT25	6/29, 7/3, 6	0	
71	C	45DA 26-29 R1T12	JA	12-33 R4T12	6/29, 7/3, 6	19	
72	JA	88A-35 R7T13	JA	12-33 R4T12	6/29, 7/3, 6	33	
73	JA	12-33 R4T12	JA	86-31 R4T4	6/29, 7/3, 6	6	
74	JA	192B-31 R12T7	JA	86-31 R4T4	6/30, 7/3, 6	0	
75	JAxJ	409B-37 R11T5	JA	14-33 R2T12	6/29, 7/3, 6	10	
76	AxS8	L.I. 26E-35 R8T11	C	Carr R1T1	6/29, 7/3, 6	32	
77	JAxJ	400F-37 R3T13	CA	203-36 R2AT37	6/29, 7/3, 6	1	
78	CA	203-36 R2AT37	JAxJ	400F-37 R3T13	6/29, 7/3, 6	0	
79	S8xJ	5A-34 R15T1	J	R15T2	6/29, 7/3, 6	4	
80	J	Folk R15T2	JA	134A-31 R3T10	6/30, 7/3, 6	9	
81	J	45DA R15T2	JA	86-31 Δ 6ft	6/30, 7/3, 6	23	82 omitted
83	C	R1T3	JA	99A-33 R3T5	6/30, 7/3	1	
84	J	R13T7	JA	48-33 R2T4	6/30, 7/3	20	
85	J	R13T7	JA	134A-31 R3T10	6/30, 7/3	7	
86	J	R13T2	JA	14-33 R2T12	6/30, 7/3	57	
87	J	R13T2	JA	86-31 Δ 6ft.	6/30, 7/3, 6	4	} same cross
88	J	R13T2	JA	86-31 6ft. R4T4	7/1, 7/3, 6	34	

89	JA	187-31 R12T3	JA	86-31 6ft. R4T10	7/1, 3, 6	46
90	Ashei	MT. Carmel Spring	A	R13T1	7/6	36
91	Ashei	"	Alnifolia	Tallahassee Fla.	7/6	0
92	JA	86-31 R4T10	A	R13T1	7/6	3
93	C	R1T5	JA	86-31 R4T10	7/6	26
94	A	R62T4	CA	R2T8	7/7, 9	0
95	C	R1T6	CA	R2AT37	7/6, 9, 12	3
Total						884

884 - quite accurate
to BBG report

38

1	S8xOak	R11T13 20-34	JA	659-38 R56T11	6/23, 26, 29	2	oak = Q. Montana	31	JA	Mintern 31-33 R3T6	J	R13T2 86-34	6/30, 7/2, 5	1
2	CS	R14T5 99-33	JA	659-38 R56T15	6/24, 26, 7/1	22		32	C	R1T5	CA	R4T5	6/30, 7/2, 6, 9	0
3	JA	R3T5 134A-31	J	Folk R13T2	6/28, 7/2	3		33	J	R13T2 48-33	JA	R3T10 134A-31	6/30, 7/2, 6	1 +47
4	JA	R3T10	J	Folk R13T2	6/26, 30, 7/6	0		34	JA	R2T4 48-33	JA	R3T10 134A-31	6/30, 7/2, 6	0
5	C	R1T6 134A-31	JA	31-33 R3T6	6/28, 7/2	0		35	JA	R2T4 48-33	J	R13T2	6/30, 7/2	0
6	JA	R3T10	C	R1T6 99-33	6/28, 7/2, 6	0		36	JA	R12T3 187-31	J	R13T2	6/30, 7/2, 6	0
7	J	R3T2 241B-31	JA	R3T5	6/29, 7/1, 3	6		37	CxJA	R3AT26 300-38	CxJA	R2AT12	6/30, 7/2, 6	0
8	JA	R13T8	J	R13T2 48-33	6/29, 7/1, 3	6		38	J	R15T2	JA	R2T12	7/1, 6, 8	5
9	JA	R13T8	JA	R2T4 48-33	6/29, 7/1, 3	29		39	J	R15T2	JA	R4T12	7/1, 6, 8	23
10	J	R13T2 Folk '31	JA	R2T4 48-33	6/29, 7/1, 3	3	1 of these nuts?	40	J	R15T2 99A-33	JA	R3T5	7/1, 6, 8	1
11	J	R3T2	JA	134A-31 R3T10	6/29, 7/1, 3	3		41	JA	R3T5	JA	R4T10	7/1, 3, 6	2
12	J	R3T2 400-37	JA	48-33 R2T4	6/29, 7/1, 3	24		42	C	R1T6	JA	R4T10	7/1, 3, 6	0
13	JAxJ	R52T1 420-37	J	Folk-30 R13T2	6/29, 7/2, 6	0		43	J	R3T2	JA	R4T10	7/1, 3, 6	18
14	JAxJ	R54T14 405+37	J	R13T2	6/29, 7/2, 6	1		44	J	R15T2 86-31	JA	Δ 6ft. R4T10	7/1, 6, 8	2
15	JAxT	R51T17 400-37	J	R13T2	6/30, 7/2, 6	2		45	JA	Δ 6ft. R4T10	J	R13T2	7/1, 6, 8	1
17	JAxJ	R52T5 410-37?	JAxJ	400-37 R52T1	6/30, 7/2, 6	4	16 omitted	46	J	R13T2	JA	R3T6	7/1	0
18	JAxJ	R52T17	JAxJ	410-37? R52T1	6/30, 7/2, 6	6		47	J	R13T2	JA	R2T12	7/1, 6, 8	5
19	JAxJ	R52T1 110-32	JAxJ	410-37? R52T17	6/30, 7/2, 6	2		48	J	R13T2	JA	6ft. R4T10	7/1, 6, 8	10
20	JA	R11T6	J	Folk-30 R13T2	6/30, 7/2, 6	4		49	CA	R4T5 86-34	C	R1T6	7/1, 3, 6	6 nuts too poor to plant
21	C	R1T15	JA	134A-31 R3T10	6/30, 7/2, 6	4		50	H	R19T2 173-31	JA	R5T14	7/2, 6, 8	0
22	C	R1T15	JA	99A-33 R3T5	6/30, 7/2, 6	3		51	JA	R11T5	J	R13T2	7/2, 6	0
23	C	R1T15	JA	12-33 R4T12	6/30, 7/2, 6	3		52	JA	R12T7 192B-31	J	R15T2 R13T2	7/2, 6, 9	23
24	JAxJ	R3T13 134A-31	S8xOak	(Q. Montana) R11T13 -37	6/30, 7/2, 4	2		53	JA	R12T7 192B-31	C	R1T6	7/2, 6, 9	38
25	JA	R3T10 14-33	JA	12-33 R4T12	6/30, 7/2, 6	0		54	JA	R2T4 48-33	↗	R1T7 78636	7/2, 9, 12	8 55 omitted
26	JA	R2T12 12-33	JA	86-31 R4T10	6/30, 7/2, 6	0		56	JA	R12T7 192B-31	JA	R4T10	7/3, 7, 9	33
27	JA	R4T12 31-33	JA	86-31 R4T10	6/30, 7/2, 6	3		57	JA	R4T10 86-31	↖	R1T7 18636	7/3, 7, 9	3
28	JA	R3T6 31-33	C	R1T9 86-31	6/30, 7/2, 6	2		58	JA	R4T10 86-31	J	R15T2 R13T2	7/3, 7	1
29	JA	R3T6	JA	R4T10 99-33	6/30, 7/2, 6	0		59	JA	R4T10 86-31	JA	R2T4	7/2, 7, 9	2
30	C	R1T15	JA	R3T5	6/30, 7/2, 6	2		60	JA	R4T10 86-31	A	Eliz., N.J. Grassman	7/4, 7, 9	1

38

61	JA	86-31 R4T10	JAXJ	400A-37 R52T1	7/4, 7, 12	5
62	J	R15T2	JA	86-31 Δ Gft R4T10	7/6, 12	9
63	C	R1T2	CA	86-34 R4T5	7/6, 9, 12	2
64	JA	86-31 R4T4 Gft.	JAXJ	400-37 R52T1	7/6, 9, 12	3
65	JA	86-31 R4T4 Gft.	JAXJ	405+37 R51T17	7/6, 9, 12	2
66	SxAlab	261-38 R57T35	JA	86-31 R4T10	7/9, 12	7
67	JA	95A-34 R14T1	CA	86-34 RBT3 R4T5	7/9, 12	0
68	A	Water town Litchfield Rd.	JA	86-31 R4T10	7/10	19

Total 367 add checked

365 according to BBG. report

1	58xQ.m.	240-37 R11T9	58xQ.a.	392-38 R50T2	6/23, 26, 28	2	0
2	58xQa	R50T2	58xQm	240-37 R11T10	6/23, 26, 28	5	14
3	J	R13T2	JA	12-33 R4T12	6/27, 29, 7/1, 2	22	8
4	J	R13T2	JA	99A-33 R3T5	6/29, 7/1, 2, 5	25	15
5	JAXJ	420?-37 R51T9	JAXJ	400-37 R52T1	6/29, 7/1, 3	2	0
6	J	R15T2	JA	12-33 R4T12	7/1, 3, 5, 7	28	2
7	JAXJ	400-37 R52T5	JAXJ	R51T9	6/29, 7/1, 3, 5	10	0
8	JAXJ	400-37 R52T1	JAXJ	R52T5	6/29, 7/1, 3, 6	15	3
9	JA	86-31 R4T10	C	R1T15	6/30, 7/2, 5	6	5
10	JA	187-31 R12T3	C	R1T15	6/30, 7/2, 4	1	0
11	JA	185-32 R11T6	C	R1T15	6/30, 7/2, 4	5	2
12	AC	AxS8 L.F. 25K-35 R10T10	CA	86-34 R4T5	6/30, 7/2, 5	14	1
13	JA	Gft. 86-31 R4T4	C	R1T15	6/30, 7/2, 5	3	0
14	JA	99A-33 R3T5	C	R1T15	6/30, 7/2, 5	3	0
15	JA	226A-31 RAT11	C	R1T15	6/30, 7/2, 4	2	0
16	JA	238-31 RBT10	C	R1T15	6/30, 7/2, 4, 7	11	2
17	JA	7-33 RAT6	C	R1T15	6/30, 7/2, 4	4	0
18	JA	R13T8	C	R1T15	6/30, 7/2, 4	9	0
19	-	omitted	-	-	-	-	-
20	CA	86-34 R4T5	JA	99A-33 R3T5	7/1, 3, 5	6	0
21	CA	86-34 R4T5	JA	Gft. 86-31 R4T4	7/1, 3, 5	4	0
22	C	Gft. 86-31 R4T4	JA	R4T4	7/1	0	0
23	C	R1T15	JA	R4T10	7/1, 3, 5	11	1
24	C	R1T15	JA	99A-33 R3T5	7/1, 3, 5	14	0
25	CxA? Exp?	Red Pine lot Ether Hyb.	JA	12-33 R4T12	7/2, 5, 8	3	34
26	A	R13T1	CxJA	R56T5	7/2, 5, 8	4	0
27	A	R14T9	CxJA	R56T5	7/2, 5, 8	2	0
28	C	R1T15	JA	86-31 R4T10	7/3, 7, 12	10	0
29	C	R1T5	JA	31-33 R3T6	7/3, 5, 7	7	21

(could be either 2 within found in bags)

46

50

57

58

61

70

80

1944

30	CxJA	R56T5 Lit. A field Tpk.	A	CAES	7/3, 5, 8	1	0
31	A	Watertown	JA	R4T4 86-31 6ft.	7/6, 11	5	9
32	A	"	JA	R3T6 31-33	7/6, 11	4	17
33	A	"	C	R1T5	7/6, 11	4	42
34	C	R1T3	A	CAES	7/7, 12	20	11
35	C	R1T5	A	CAES	7/7, 12	4	3
Total						190	add checked

189 according to
B.B.G. report

1945

1A	J	R13T2	P	RΔT1	6/21	7	0
1B	J	R13T2	P	RΔT1	6/23		0
1C	J	R13T2	P	RΔT1	6/25		0
1D	J	R13T2	P	RΔT1	6/27		0
2	SxAlab.	R57T35 261-38	S	R4T1	6/25, 26, 30		0
3	JA	R3T5 99-33	JA?	Δ (Chi Stokes Hyb.	6/27, 7/7, 11	1	0
4	JA	R3T10 134-31	C	Hobson Δ	6/27, 30, 7/3	3	1
5	JAXJ	R3T13 400-37	JA?	Δ Stokes Hyb.	6/27, 30, 7/3		
6	JAXJ	R52T5 400A-37	JA	R50T21	6/27, 29, 7/2	3	0
7	JA	R52T1 778-38	JA?	Δ Stokes Hyb.	6/27, 29, 7/2	7	0
8	JAXJ	R52T5 400-37	JA?	Δ Stokes Hyb.	6/27, 29, 7/2	1	0
9	JAXJA	R56T28 194A-37	JA?	Δ Stokes Hyb.	6/27, 29, 7/2	1	0
10	JAXJ	R52T5 400-37	JA?	Δ Stokes Hyb.	6/27	1	0
11	J	R15T2	JA	R50T21 134A-31	6/27	14	0
12	C	R1T7	JA	R3T10	6/29, 7/2, 4		0
13	C	R1T7	JA	R4T12	6/29, 7/2, 4	2	0
14	AC	R10T10 LI 25K-35 12-33	CS	R1T7 78636	6/29, 7/2, 4	10	14
15	JA	R4T12 25K-35	CS	R1T7 279-37	6/29, 7/2, 4	8	2
16	AC	R10T10 25K-35	CxJA	R60T41 86-31	6/30, 7/2, 4	6	1
17	AC	R10T10 86-31	JA	R4T10 279-37	7/5, 9, 11	9	0
18	JA	R4T10 6ft. 86-31	CxJA	R60T41 78636	6/30, 7/2, 4	11	6
19	JA	R4T4 86-34	CS	R1T7	6/30, 7/2, 4	3	1
20	CA	R4T5 110-32	CxJA	R60T41 78636	6/30, 7/2, 4	2	1
21	JA	R11T6 86-34	CS	R1T7 86-31	7/2, 4, 9	7	0
22	CA	R4T5 86-31	JA	R4T10 110-32	7/2, 4, 9	1	2
23	JA	R4T10 400B-37	JA	R11T6 86-31	7/2, 4, 9	4	0
24	JAXJ	R12T13	JA	R4T10	7/4, 9, 11	1	0
25	C	R1T9	JA	R4T10	7/15	6	1

pollen?, could have
been Stokes

JA x J
pollen?, J x JA

other sets of bags
pollinated on 7/3,
7/4, 7/7, 9, 11, 14 + 15
no nuts
obtained

? pollen wiped
with R4T12

? mix

? one nut obtained

Total according to
NNGA report: 29 nuts

No. Page

1	S8xQa	392-38 R50T2	S8xQm	240-37 R11T10	6/22, 24, 26	0	
2	SxAlab.	261-38 R57T35	J	Early Jap Dcl 455+443	6/23, 25, 27	13	
3	JA	86-31 R3T10	C	Tall chin.	6/27, 7/1, 3	12	5
4	CA	10-36 R2AT36	C	N.J. Tall chin.	6/29, 7/1, 7/3	10	13
5	C	R1T15	JA	86-31 R4T10	7/4, 6, 8	13	10
6	C	R1T5	JA	134A-31 R3T10	7/1, 3, 5	11	6
7	C	R1T12	JA	86-31 R4T10	7/4, 6, 8	2	2
8	C	R1T12	JA	134A-31 R3T10	7/1, 3, 5	3	0
9	JA	239-31 RBT10	CS	78036 R1T7	7/3, 5, 8	7	2
10	CS	78036 R1T7	CxJA	279-37 R60T41	7/3, 5, 8	6	4
11	CS	R1T7	JA	134A-31 R3T10	7/1, 3, 5	3	3
12	CS	R1T7	JA	99A-33 R3T5	7/1, 3, 5	5	2
13	CA	25-35 R5T8	C	Tall C Del. 455	6/27, 7/3	0	
14	S8xJ	58-36 R4T6	JA	12-33 R4T12	7/3, 5, 8	12	
15	JA	6ft. 86-31 R4T4	CxJA	279-37 R60T41	7/4, 6, 9	6	3
16	JA	86-31 R4T10	CxJA	279-37 R60T41	7/3, 6, 7, 10	13	10
17	AxS8	L.I. 60-35 R8T9	CxJA	279-37 R60T41	7/3, 8	12	
18	AC	L.I. 25K-35 R10T10	CxJA	279-37 R60T41	7/5, 8, 10	22	7 Same as #66-46
19	AxS8	L.I. 25K-35 R10T10	JA	86-31 R4T10	7/5, 8, 10	16	25
20	AxS8	L.I. 25K-35 R10T10	CA	R2AT36	7/5, 8, 10	9	9
21	JA	110-32 R11T6	CxJA	279-37 R60T41	7/3, 5, 8	23	15
22	JA	110-32 R11T6	JA	134A-31 R3T10	7/2, 5, 8	10	3
23	JA	110-32 R11T6	CS	78036 R1T7	7/2, 5, 8	10	14
24	CA	23-35 R12T4	CS	R1T7	7/2, 5, 8	9	12
25	C. pun.	12-35 R12T1	CS	R1T7	7/2, 5, 8	2	5
26	AC	L.I. 12-35 R3AT11	CxJA	279-37 R60T41	7/4, 6, 9	4	14
27	AC	L.F. 12-35 R3AT11	JA	6ft. 86-31 R4T4	7/6, 9, 11	5	6
28	AC	L.I. 12-35 R3AT11	AC	L.I. 25K-35 R10T10	7/7, 9	2	0
29	CxJA	Cx 86-31 R6T4	C	R1T7	7/4, 7, 9	1	0

30	J	Ham Nat. 36 R3AT18	A	-	7/8, 10	1	0
31	CA	86-34 R4T5	CS	78036 R1T7	7/4, 7, 9	9	0
32	CA	86-34 R4T5	JA	86-31 R4T10	7/4, 6, 9	6	0
33	JAXJ	400-37 R12T13	CS	R1T7	7/2, 4, 8	2	0
34	JAXJ	3B419A-37 R58T5	C	Tall C. N.J + Del(Evans)	6/29, 7/1, 3	8	38
35	JAXJ	4207-37 R51T9	CS	R1T7	7/2, 4, 6	5	0
36	JAXJ	420-37 R54T14	CS	R1T7	7/2, 4, 6	10	28
37	CxJA	260A-37 R51T27	A	-	7/8, 10, 11	12	18
38	JAXJA	679-38 R50T30	CS	R1T7	7/2, 4, 6	6	4
39	Jx(JA)	OPEN R59T33	CS	R1T7	7/2, 4, 6	15	20
40	JAxopen	3B-32 R13TSXOPEN R52T36	CS	R1T7	7/2, 4, 6	5	0 41 omitted
42	JA	768-38 R63T44	CS	R1T7	7/4, 6, 9	6	38
43	CxJA	279-37 R60T41	A	-	7/6, 7	2	0
44	CxJA	138A-37 R59T39	JAXJ	4207-37 R51T9	7/3, 6, 9	1	0
45	JAXJ	403-37 R60T39	CxJA	279-37 R60T41	7/3, 6, 16	9	
46	JAXJ	403-37 R60T44	CxJA	279-37 R60T41	7/3, 6, 9	4	
47	JA	99A-33 R3T5	CS	R1T7	7/1, 3, 8	3	
48	JA	12-33 R4T12	CS	R1T7	7/8, 10	4	8
49	JAXJ	400-37 R3T13	A	CAES	7/6, 9, 11	2	5
51	JxJA	147-36 R3AT31	CxJA	279-37 R60T41	7/3, 6, 9	4	0 50 omitted
52	S8xQa	392-38 R50T2	P	RDT2	7/1, 3, 5	2	2
53	CxJA	478-38 R3AT22	CxJA	263A-37 R12T12	7/3, 7, 10	5	0
54	CA	22-35 R7T11	CS	R1T7	7/3, 8, 10	0	
55	SxAlab.	261-38 R60T35	P	RDT2	7/1, 3, 5	4	34 9 might have been R57T35?
56	(AxS8)xC	76-40 R55T7	A	CAES	7/4, 8, 10	7	43
57	JAXJ	4100-37 R52T17	CxJA	279-37 R60T41	7/3, 7	2	0
58	C	R1T9	JA	6ft. 86-31 R4T4	7/6, 9, 11	7	0
59	C	R1T9	P	RDT2	7/6, 9, 11	2	0 #60 omitted
61	JxJA	712-38 R2AT10	CxJA	545-38 R2AT8	7/8, 10	1	0

no. hung at de. baggy

62	C	Ching China '35 RBT7	JA	R3T5	7/5, 8, 10	6	1	
63	(JAxJ)x (JAxJ)	Garden Nursery L.I. 58-35	JAxJA	R50T30	7/8, 10, 12	1	0	♀ poll. # unkn.
65	Ac	R10T12	C	R5T1	7/8	3	0	64 omitted
66	Ac	L.I. 25K-35 R10T10	CxJA	R60T41	7/8, 10	6	1	same as #18-46
67	Ac	L.I. 25K-35 R10T16	C	R5T1	7/8, 10	3	1	
68	J	Early Jap. Δ pine	A	-	7/9, 10	0		
69	J	Δ pine	A	-	7/9	2		
70	A	Wayside Morris, Conn.	CxJA	R2AT8	7/9, 11, 12	0		
71	A	"	CxJA	R2AT8	7/11	1		
72	CA	105B-34 R2T8	A	Burlington Turner, Vt.	7/12, 15, 18	13		
						Total	480	

479 notes recording to NNGA report

1	S8xQm	240-37 R11T9	S8xQa	R50T2	6/24, 30, 7/2	6	2	2 seedlings
2	P	392-38 RET1	J	R7T5	7/1, 3, 6	2	2	1 seedling
3	S8xQa	392-38 R50T2	S8xQm	R11T9	7/2, 4, 14	4	8	
5	C	134A-31 R1T15	JA	R3T10	7/5, 10, 15	4	2	#4 omitted
6	JA	12-33 R4T12	C	R1T6	7/7, 10, 14	8	2	1 seedling
7	JAxJ	400F-37 R3T13	CS	R1T7	7/7, 9, 12	4	6	no seedlings
8	JxJA	147-36 R3AT31	CS	R1T7	7/7, 10, 14	4	6	4 seedlings
9	JA	238-31 RBT16	C	R1T6	7/7, 11, 14	19	24	5 seedlings
10	C	R1T15	JxJA	R3AT31	7/7, 10, 15	9	12	8 "
11	JA	R3T5	CS	R1T7	7/7, 15	7	4	no "
12	JA	506-37 R58T5	CS	R1T7	7/7, 10, 12	6	0	
13	JAxJ	410D-37 R52T17	CS	R1T7	7/7, 10, 12	3	0	
14	S8xS	239A-37 R59T2	CS	R1T7	7/7, 10, 12	1?	5	no seedlings
15	JxJA	62-43 Garden Nursery 76-40	CS	R1T7	7/7, 10, 12	1	0	
16	(AxS8)xC	260A-37 R55T7	A	Charlottesville Va.	7/8, 10, 14	3	2	no seedlings
17	CxJA	58-34 R51T27	A	"	7/8, 10, 14	5	4	1 "
18	S8xJ	23-35 R4T6	A	" Bethany	7/8, 11, 14	6	6	no "
19	CA	R12T1	A	"	7/8, 11, 14	1	0	
20	JA	R3T10	CAI	+R1T6c	7/8, 11, 15	10	2	1 seedling
21	AxS8 AC	L.I. 25K-35 R10T10	CAI	+R1T7s +R1T6c	7/8, 11, 15	12	9	1 "
22	JxS8	115-35 R7T12	CAI	+R1T6c +R1T7s	7/8, 11, 15	2	13	6 "
23	AxS8	L.I. 60A-35 R8T9	CAI	+R1T6c +R1T7s	7/8, 11, 15	10	8	2 "
24	AxS8	L.I. 26E-35 R8T11	CAI	+R1T6c +R1T7s	7/8, 11, 15	9	24	4 "
25	C	99A-33 R1T9	JA	R3T5	7/9, 12, 15	7	6	3 "
27	JA	86-31 R4T10	JA	R3T5	7/9, 12, 15	1	0	#26 omitted
28	C	86-31 R1T9	JA	R4T10	7/9, 12, 15	8	2	1 seedling
29	CxJA	279-37 R3AT22	CxJA	R60T41	7/9	0	0	
30	CxJA	545-38 R2AT8	CxJA	R60T41	7/9, 12, 16	3	0	
31	AxS8 AC	L.I. 25K-35 R10T10	JA	R4T4	7/9, 12, 16	6	14	no seedlings

1947

32	CxA? Ex?	Red Pine Lot Eter Hyb. 86-31	C	78630 R1T7	7/9,12,16	8	5	no seedlings
33	JA	Δ piece Gtt. LI 58-35	C	R1T7	7/9,12,16	1	0	
34	AC (JAXJ) ^x	R10T12 7-43	CxJA	RBT14 279-37	7/9,12,15	7	24	16 seedlings
35	(JAXJ)	Garden Nursery 487-38	CxJA	R60T41 279-37	7/10,14,16	7	17	1 "
36	CxJA	R56T23 420-37	CxJA	R60T41 279-37	7/10,14,16	3	5	no "
37	JAXJ	R54T14 6ft, 86-31	CxJA	R60T41 CR1T6+T9	7/10,14,16	1	9	no "
38	JA	R4T4 LI 58-35	C	SR1T7 6ft, 86-31	7/10,14,17	3	0	
39	AC	R10T12 LI 25K-35	JA	R4T4 276A-37	7/10,15,17	10	23	1 seedling
40	AC A ⁵⁸	R10T10 LI 25K-35	CxJA	RBT14 12-33	7/10,15,17	11	40	20 " 5
41	AC A ⁵⁸	R10T10 17-43	JA	R4T12 478-38	7/10,15,17	14	21	5 "
42	(JAXJ) ^x	R10T14 17-43	CxJA	R3AT22 478-38	7/10,15,17	2	7	
43	(JAXJ) ^x	R9T15	CxJA	R3AT22 Watertown, Ct.	7/10,15,17	3	11	no seedlings
44	C	R1T15 LI 25K-35	A	Bethany Reservoir	7/11,14,18	10	33	15 "
45	AxS8 AC	R10T10 LI 60A-35	A	"	7/11,14,18	6	13	2 "
46	AxS8	R8T9 276A-37	CxJA	R5T13 279-37	7/11,15,17	10	26	8 "
47	CxJA	R5T13 278-36	CxJA	R60T41	7/11,14,16	2	2	1 "
48	CxS8	R2AT48 Early Tap	CxJA	R60T41	7/12,14,16	2	8	1 "
49	J	Δ C(?) x JA	C	R1T6 545-38	7/14,16,18	5	0	
50	CxJA	R6T4 Wayside tree	CxJA	R2AT8 545-38	7/14,17		0	
51	A	Watertown, Ct 398-37	CxJA	R2AT8	7/14,17	11	0	no bagged, the 11 refers to 2s
52	JAXJ	R6T14 86-31	C	R1T15	7/14,17,21	1	0	
53	JA	R4T10 115-35	C	R1T9 Gilmer, Va	7/15,17,21	1	0	
54	JxS8	R2T6 125-34	A	Watertown, Ct.	7/15,18,21	2	0	
55	CA	R2T8 Cheshire, Ct.	A	Watertown, Ct. 545-38	7/15,18,21	1	0	not bagged
56	J	Sherrifs 344-37	CxJA	R2AT8 C? x JA	7/14,17		2	no seedlings
57	CxJA	R7T3 44-35	CxJA	R6T4	7/18,20	1	3	no "
58	S8xA (C S)	R12T2 40-40	C	R1T5	7/21,23		0	
59	(C S) ^x	R55T2	S	R4T1	8/10,14		0	now R55T2 is R55T1

412 added among in report

1947

Nuts harvested October 12th.
380 nuts according to MNGA report

No.
pages

1	(oak?) 58x58	392-38 R50T2	(oak?) 58x58	240-37 R11T10	6/29, 7/6, 8	5	1
2	(oak?) 58x58	240-37 R11T9	(oak?) 58x58	392-38 R50T2	6/29, 7/6, 8	8	7
3	(oak?) 58x58	240-37 R11T9	Qv	Q. velutina Wharton Brook, N. Haven	6/30, 7/2, 5	2	0
4	CS	17A-34 R12T6	Qv	"	6/30, 7/2, 5	2	0
5	(oak?) 58x58	392-38 R50T2	Qv	"	6/30, 7/2, 5	3	0
6	JA	99A-33 R3T5	CS	78636 R1T7	7/5, 7, 9	7	0
7	JA	134A-31 R3T10	C	R1T7	7/5, 7, 9	2	0
8	JA	86-31 R4T10	C	R1T7	7/5, 7, 9	1	0
9	J	Early Tap. N.W. Corner Δ piece 9A-34	C	R1T7	7/6, 8, 12	7	5
10	58xJ	R16T1	C	R1T7	7/6, 8, 12	3	4
11	CS	17A-34 R12T6	CS	20-34 R14T5	7/6, 8, 12	8	40
12	JA	110-32 R11T6	CS	R1T7	7/6, 8, 12	21	29
13	CS	20-34 R14T5	CS	17A-34 R12T6	7/6, 8, 12	4	7
14	58xA	54-35 R9T14	C	R1T7	7/6, 8, 12	1	0
15	JA	86-31 R4T10	C	Tall Chinese R32T6	7/6, 8, 12	11	0
16	JA	RBT10	C	R32T6	7/6, 8, 12	6	2
17	JA	226-31 RAT11	C	R32T6	7/6, 8, 12	12	4
18	Ax58	L.I. 60A-35 R8T9	C	R1T7	7/6, 8, 12	17	8
19	JAxJ	410D-37 R52T17	C	R1T7	7/6, 8, 12	12	5
20	CxJA	260A-37 R51T27	C	R1T7	7/6, 8, 12	16	4
21	(JAxJ) (JAxJ)	Garden Nursery 400F-37	CxJA	263A-37 R12T12	7/7		0
22	JAxJ	R3T13	C	78636 R1T7	7/6, 8, 12	7	10
23	JA	12-33 R4T12	C	R1T7	7/6, 8, 12	4	0
24	Ax58 AxG	R10T10	CxJA	263A-37 R12T12	7/8, 12	19	28
25	CxJA	260A-37 R51T27	Qv	Q. velutina Wharton Brook, N. Haven	7/6, 8, 12	2	0
26	(JAxJ) (JAxJ)	Garden Nursery 410D-37	Qv	"	7/6, 8, 12	2	0
27	JAxJ	R52T17	Qv	"	7/6, 8, 12	1	0
28	J	R13T2	Qv	"	7/6, 8, 12	1	0
29	Ax58 AxG	R10T10	C	R1T15	7/9, 12	19	61

30	A	#1 Roxbury, Ct.	CxJA	279-37 R60T41	7/8, 10	3	4
31	A	#1 Roxbury, Ct.	C	R1T15	7/8, 10	2	1
32	A	#1 Roxbury, Ct.	C	6ft. N.J., Blake R8T3	7/8, 10	2	0
33	A	#2 Roxbury, Ct.	CxJA	487-38 R56T23	7/8, 10	3	5
34	A	"	CxJA	263A-37 R12T12	7/8, 10	3	1
35	A	#3 Roxbury, Ct.	CxJA	R5T13	7/8, 10	1	0
36	A	#4 Roxbury, Ct.	CxJA	276A-37 R5T13	7/8, 10	2	0
37	A	"	CxJA	478-38 R3AT22	7/8, 10	2	0
38	A	#5 Roxbury, Ct.	C	R1T7	7/8, 10	1	3
39	A	"	CxJA	276A-37 R5T13	7/8, 10	3	3
40	A	"	J&CJA	308A-37 R17T4	7/8, 10	3	6
41	A	"	CxJA	276A-37 RBT14	7/8, 10	3	0
42	A	"	CxJA	337B-37 R10T6	7/8, 10	2	6
43	A	"	CxJA	263A-37 R12T12	7/8	3	14
44	A	"	CxJA	545-38 R2AT8	7/8, 10	4	18
45	A	"	CxJA	386A-37 R5T5	7/8, 10	3	11
46	A	"	CxJA	338C-37 R14T3	7/8, 10	3	3
47	A	"	CxJA	337F-37 R2T2	7/8, 10	3	10
48	A	"	CxJA	333A-37 R3T12	7/8, 10	2	4
49	CxJA	253-37 R61T48	A	Roxbury	7/9, 12, 14	1	0
50	CxJA	276A-37 R5T13	A	Roxbury	7/9, 12, 14	1	3
51	CxJA	386A-37 R5T5	A	"	7/9, 12, 14	2	5
52	CxJA	478-38 R3AT22	A	Roxbury	7/9, 12, 14	1	0
53	CxJA	300-38 R3A724	A	"	7/9, 12, 14	2	0
54	CxJA	333A-37 R3T12	A	"	7/9, 12, 14	1	3
55	CxJA	276A-37 RBT14	A	"	7/9, 12, 14	1	0
56	CxJA	337F-37 R2T2	A	"	7/9, 12, 14	9	2
57	58xJ	R16T1	A	"	7/9, 12, 14	8	21
58	A	Wayside tree Watertown, Ct.	CxJA	276A-37 R5T13	7/9	1	1

No of paper bags

59	A	Wayside tree Watertown, Ct	CxJA	263A-37 R12712	7/9	1	0	
60	A	"	C	R1715	7/9	1	3	
61	J	Folk	A	Roxbury 308A-37	7/10, 12, 14	8	6	
62	(RST14) \$xA	R13T2 79A-35 R17T3 17-34	CxJA	R17T4 17A-34	7/9, 12, 14	2	10	#64+65 omitted
63	CS	R2T11 712-38	CS	R12T6	7/12, 14, 16	13	12	
64	JxJA	R2AT10	C	R1T3 99A-33	7/13, 15		0	
67	C	R1T3	JA	R3T5	7/14, 16, 19	7	1	
68	C	R1T9	JA	Along 86-31 R4T10 338-31	7/12, 14, 15, 16	14	3	
69	C	R1T9	JA	RBT10 110-32	7/12, 15, 17	10	1	
70	C	R1T12	JA	R11T6 12-33	7/12, 15, 17	10	7	
71	C	R1T15	JA	R4T12 400-37	7/12, 15, 17	5	0	
72	C	R1T3	JAxJ	R3T13 105-34	7/14, 16, 19	4	0	#74-75 omitted
73	J	R13T2 105-34	CxA	R2T8 Folk	7/17, 19, 22	4	2	
76	CA	R2T8	J	R13T2 99A-33	7/13, 17, 19	5	0	
78	C	R1T6	JA	R3T5 86-31	7/14, 16, 19	4	1	
79	C	R1T12	JA	R4T10 12-33	7/14, 16, 17	7	0	
80	C	R1T12 LI 58-35	JA	R4T12 263A-37	7/14, 16, 19	10	4	
80B	AC	R10T12 Ozarkensis	CxJA	R12T12	7/12, 15, 19	8	18	
81	O	RHT2	C	R1T7 134A-31	7/14, 16, 19	2	7	RHT2 in Ching. Corner?
82	C	R1T9	JA	R3T10	7/15, 17	1	0	
Total							414	addition checked 412 mites according to NNGA report

1	J	N. W. Corner Δ Piece	P	RET1	6/16, 18, 20		1	
2	P	Ching. Corner 3 bushes	J	N. W. Corner Δ Piece	6/16, 18, 20		0	
3	(Oak?) 58x58	240-37	(Oak?) 58x58	R50T2	6/19, 20, 22		4	
4	(Oak?) 58x58	392-38	(Oak?) 58x58	R11T9	6/20, 22, 24		5	
5	J	Cheshire, Ct. Sheriff	CA	R2AT36	6/21, 24, 27		43	
6	J	R13T2 17-43	CA	R2AT36	6/21, 24, 27		1	
7	(JAxJ) (JAxJ)	R10T14 Garden	JAxJA	R50T45 50-39	6/22, 24, 27		40?	
8	(JAxJ)	Nursery 424-37	JAxJA	R50T45 Hobson 38-43	6/22, 24, 27		0	
9	JxJA	R52T43 410-37	C	R11T14 Hobson 38-43	6/23, 25, 27		0	
10	JAxJ	R52T17 76-40	C	Δ	6/23, 25, 27		0	
11	AS8xC	R55T7 515-37	J	R13T2	6/23, 25, 27	10	9	
12	JA	R51T33	C	Hobson Δ 410-37	6/23, 25, 27		0	
13	C	Hobson Δ 400B-37	JAxJ	R52T17 Hobson	6/23, 25, 27		2	
14	JAxJ	R12T13	C	R11T14 333A-37	6/23, 25, 27		0	
15	J ^{see} nits	R3T10 400F-37	CxJA	R3T12	6/27, 29	4	0	could be JA 134A-31
16	JAxJ	R3T13	CT	R9T10 400F-37	6/24, 27, 29		2	
17	CT	R9T10 12-33	JAxJ	R3T13	6/24, 27, 29		0	
18	JA	R4T12 2-43	Q	R17T7 50-39	6/23, 25, 27		0	
19	CSxJA	Garden Nursery LI 60A-35	JAxJA	R50T45 78744	6/24, 27, 29		0	
20	AxS8	R8T9 99A-33	C	R9T10 78650	6/24, 27, 29		0	
21	JA	R3T5	Q	R1T7 226A-31	6/27, 6/29, 7/1		0	
22	C	R1T12	JA	RAT11 238-31	6/25, 27, 29	15	1	
23	C	R1T15	JA	RBT10 226A-31	6/27, 29, 7/1		6	
24	JA	RAT11 238-31	C	R1T12	6/27, 29, 7/1		6	
25	JA	RBT10 LI 26C-35	C	R1T15	6/27, 29, 7/1		7	
26	AxS8	R4T16 478-38	C	R9T10 #5	6/24, 27, 29		6	
27	CxJA	R3AT22	A	Roxbury 99A-33	6/25, 29, 7/1	15	0	
28	C	R1T9	JA	R3T5 238-31	6/27, 29, 7/1		1	
29	C	R1T9	JA	RBT10	6/27, 29, 7/1		2	

30	C	-RIT9	Folk x Minkern JxJA	33-43 R5T14 91A-33	6/27, 29, 7/1	4	
31	C	-RIT12	JA	R3T5	6/27, 29, 7/1	2	
32	CA	-R7T11	J	R13T2	6/27, 29	0	
33	CA	-R6T10	J	Folk, 1938 R13T2	6/30, 7/1	3	
34	S8xA	-R9T14	Tiger Paw	18744 R9T10	6/29, 7/1, 4	30	9
35	AS58 AC	-R10T10	C	"29-31" R9T10	6/28, 30, 7/4	16	
36	AS58 AZ	-R10T10	CxJA Hammond	478-38 R3AT22	6/28, 30, 7/4	21	
37	AS58 AC	-R10T10	J	R13T2	6/28, 30	3	no germ
38	JA	-R4T10	♀ ^s	R1T7	6/28, 30, 7/4	3	
39	C	-RIT12	JA	86-31 R4T10	6/28, 30, 7/4	1	0
40	JA	-R4T4	C	RIT15	6/28, 7/1, 4	1	no germ
41	C	-RIT15	Smith JA	12-33 R4T12	6/28, 7/1, 4	23	
42	A	-Bloomfield	C	R9T10	6/25, 29, 7/2	14	no germ.
43	A	-Bloomfield	A	Roxbury	6/25, 29, 7/2	21	no germination
44	CxJA	-R60T41	CxJA	478-38 R3AT22	6/29, 7/1	0	#45 omitted
46	JxJA	-R3AT1	C	R8T3	6/27, 7/1, 5	0	
47	AC	-R10T12	J	R13T2	6/30	11	
48	↙	-RIT7	JA	off. 86-31 R4T4	6/27, 29, 7/1	28	1 in R4T12 others are R4T4
49	C	-RIT12	JA	12-33 R4T12	6/27, 29, 7/1	5	
50	A	-Roxbury	CxJA	140-37 RAT3	6/28, 30, 7/2	0	
51	A	-Roxbury	CxJA	268A-37 R60T27	6/28, 30, 7/2	3	no germ
52	A	-" #2	CxJA	279-37 R60T41	6/28, 30	10	
53	A	-" #2	CxJA	344B-37 R7T8	6/28, 30, 7/2	25	
54	A	-" #1	CxJA	487-38 R56T23	6/28, 30, 7/2	14	
55	A	-" #1	CxJA	453-38 R2AT2	6/28, 30, 7/2	15	
56	A	-" #1	CxJA	237-37 R2T2	6/28, 30, 7/2	1	
57	A	-" #1	CxJA	263A-37 R12T12	6/28, 30, 7/2	24	
58	A	-" #4	CxJA	283A-37 R12T12	6/28	0	
59	A	-" #4	CxJA	286-37 R5T5	6/28, 30, 7/2	0	
60	A	-" #5	CxJA	271-37 R5T3	6/28, 30, 7/2	0	

61	A	-Roxbury #5	CxJA	478-38 R3AT22	6/28, 30, 7/2	20	7
62	A	-" #5	CxJA	338-37 R14T3	6/28, 30, 7/2	1	0
63	A	-" #5	CxJA	276A-37 R5T13	6/28, 30, 7/2	21	3
64	A	-" #5	CxJA	453-38 R3T1	6/28, 30, 7/2	11	3
65	A	-" #5	CxJA	337-37 R10T6	6/28, 30, 7/2	14	6
66	A	-" #5	CxJA	545-38 R2AT8	6/28, 30	18	10
67	A	-" #6	C	RIT9	6/28, 30, 7/2	14	2
68	A	-" #6	C	R8T3	6/28, 30, 7/2	31	22
69	A	-" #6	CxJA	276A-37 R5T13	6/28, 30	0	
70	CxJA	-R2AT2	A	453-38 Roxbury	6/29, 7/1, 4	0	
71	CxJA	-R2T2	A	237-37 Roxbury	6/29, 7/1, 4	4	0
72	CxJA	-R2T2	CxJA	237-37 R5T13	7/1, 4	3	0 #73 omitted
74	CxJA	-R3AT22	CxJA	478-38 R2T2	6/29, 7/1, 4	0	
75	CxJA	-R3AT22	CxJA	478-38 R2AT8	6/29, 7/1	0	
76	CxJA	-R3AT22	CxJA	478-38 R60T41	6/29, 7/1, 4	0	
76A	C	-RIT15	A	Eliz., N.J. Grassman	6/29, 7/1, 4	4	
77	CxS	-R2T11	A	17-34 "	6/29, 7/1, 4	0	
78	CxJA	-R5T13	A	276A-37 Roxbury #5	6/29, 7/1, 4	5	0
79	CxJA	-R5T13	CxJA	276A-37 R5T5	6/29, 7/1, 4	0	
80	CxJA	-R5T13	CxJA	276A-37 R5T3	6/29, 7/1, 4	0	
81	CxJA	-R5T13	CxJA	276A-37 R3T1	6/29, 7/1, 4	3	3
82	CxJA	-RBT14	A	276A-37 Roxbury #1	6/29, 7/1, 4	0	
83	CxJA	-RBT14	A	276A-37 " #6	6/29, 7/1, 4	0	
84	CxJA	-R10T6	A	337-37 " #4	6/29, 7/1, 4	0	
85	CxJA	-R53T49	A	309-38 " #4	7/5, 7	1	0
86	CxJA	-R56T23	CxJA	487-38 R3AT22	7/1, 5, 7	0	
87	CxJA	-R7T8	CxJA	344-37 R3AT22	7/1, 5, 7	0	
88	↗	-RIT7	JA	12-33 R4T12	7/1, 5	5	0
89	CA	-R2T8	JA	105-34 R4T12	7/1, 5	12	

90	S	- R4T2	JA	12-33 R4T12	7/1, 5, 7	0
91	CxJA	- R3T12	A	Roxbury #1 238-31	7/1, 5, 7	0
92	C	- R1T9	JA	RBT10 238-31	7/1, 5, 7	0
93	CxS	- R12T6	JA	RBT10	7/1, 5, 7	10
94	JAxJ	- R6T15	C	RIT15	7/1, 4, 6	0
95	JxJA	- R7T12	C	RIT15 238-31	7/1, 4, 6	11
96	C	- R8T3	JA	RBT10	7/1, 4, 6	0
97	JxJA	- R6T8	C	RIT15 Rome (Sgt. Ford)	7/1, 4, 6	0
98	CxS	- R14T5	A+E	Roxbury	7/5, 7, 9	3
99	C	- RN?	A+E	Rome Roxbury	7/5, 7	0
100	CS	- R2T11	E	Rome	7/7, 9, 11	0
101	S	- RA77	E	Rome	7/7, 9, 11	0
102	CA	- R7T8	E	Rome	7/11	0

449

444 notes according to NNGA report

1	H	- R32T1	C	Leonardtown, Mo.	6/24, 26, 28	0
2	H	- R15T6	C	"	6/26, 28, 30	7
3	JxJA	- garden nursery	C	"	6/27, 29, 7/3	17
4	J	- Early Tap Δ piece	P	R2T1	6/27, 29, 7/3	9
5	S8x58	- R11T10	S8x58	(Oak?) 292-38 R50T2	6/28, 30, 7/3	3
6	S8x58	- R50T2	S8x58	(Oak?) 240-37 R11T10	6/28, 30, 7/3	2
7	CS	- R12T6	CS	17A-34 R14T5	7/1, 3, 5, 7	130
8	CS	- R14T5	CS	506-37 R12T6	7/3, 5, 7	19
9	JA	- R58T5	♂J	USDA "29-31" R9T10	7/3, 5, 7	0
10	JAxJ	- R52T17	♂J	USDA "29-31" R9T10	7/3, 5, 7	18
11	♂J	- R9T10	JA	506-37 R58T5	7/3, 5, 7	0
12	(JAxJ) (JAxJ) ^x	- garden nursery	JA	506-37 R58T5	7/3, 5, 7	0
13	JAxJ ^x	- "	♂J	R9T10	7/3, 5, 7	0
14	S8xJ	- R4T6	A	58-34 Elizabeth, N.J.	7/3, 5	0
15	JxJA	- R5T15	♂J	33-43 R9T10	7/3, 5, 7	4
16	JxJA	- R5T14	♂J	33-43 R9T10	7/3, 5, 7	0
17	JxJA	- R4T15	♂J	58 115-35 R9T10	7/4, 6, 10	0
18	JxJA ^x	- R6T9	JxJA	17-43 R4T15	7/4, 6	0
19	JxJA ^x	- R6T9	♂J	USDA "29-31" R9T10	7/4, 6	0
20	JxJA	- R5T4	♂J	88-42 Hobson R9T10	7/4, 6, 10	24
21	S8xJA	- R1A T11	C	17-36 R11T14	7/4, 6, 10	13
22	CS	- Spring lot	C	Simpson Nut Orchard Hobson	7/4, 6, 10	9
23	CS	- " "	C	Hobson R11T14	7/4, 6, 10	2
24	C	- R11T14	S8xJA	17-36 R1A T11	7/4, 6, 11	1
25	CS	- R4T2	C	Hobson R11T14	7/4, 6, 11	8
26	♂J	- R55T7	J	OB 22 x F1K 419-37 R13T2	7/4, 6, 11	28
27	JAxJ	- R54T25	C	Hobson R11T14	7/4, 6, 11	0
28	Ax58	- R55T16	C	Hobson R11T14	7/4, 6, 11	0
29	CSx	- R51T25	C	Hobson R11T14	7/4, 6 females dropped	0

100 sent to Italy
10 sent to Italy

(listed on poll sheet & as JxJA but if location is right it is or was definitely JxS8 see #17 ♀)

30	JA	^{? Smith Hvb.} R2AT25	C	Hobson R11T14	7/4, 6, 10	11
31	S	R2T14	C	Burbank R8T7	7/4, 6, 10	3
32	S	RAT7 115B-35	C	Hobson R11T14	7/4, 6, 10	0
33	JxS8	R2T6 88-42	A	Grassman Eliz., N.J.	7/4, 6, 10	0
34	JxJA	R1T13 115-35	C	Hobson R11T14	7/4, 6, 11	5
35	JxS8	R7T12	C	Hobson R11T14	7/4, 6, 10	19
36	C	R1T12	E	setiva selvatico Florence, Italy	7/5, 7, 12	9
37	C	R1T15 12-33	E	Villa Col New Haven	7/6, 9, 12	10
38	JA	R4T12 Ham 86x? -41	(J)	USPA R9T10	7/5, 7, 11	28
39	JAxopen	R6T2 81-42	CS	29636 R1T7	7/5, 7, 11	4
40	JxJA	R7T9 L.I 25K-35	CS	RIT7	7/5, 7, 11	0
41	AC ⁵⁶	R10T10 sheriff	CS	RIT7	7/5, 7, 11	24
42	J	Cheshire, Ct. 42-26c-35	CA	^{? 202-36?} R2AT36	7/5, 8, 11, 13	0
43	AxS8	R4T16 400-37	CS	RIT7	7/5, 7, 10	45
44	JxJA	R3T13	CS	RIT7	7/5, 7, 11	18
45	J	R7T7 L.I 25K-35	E	selvatico Florence, Italy	7/5, 7, 11	2
46	AC ⁵⁶	R10T10	CxJA	263A-37 R12T12	7/6, 11, 13	16
47	AC ⁵⁶	R10T10 L.I 58-35	J	sheriff Cheshire, Ct	7/6, 11, 13	81
48	AC	R10T12 54-35	CS	^{# 78626?} RIT7	7/6, 11, 13	46
49	S8xA	R9T14 147-36	CS	RIT7	7/6, 11, 13	3
50	JxJA	R3AT31 Redding Ridge	CS	RIT7	7/6, 11, 13	17
51	CxJA	RIT3 824-38 R.R.	CS	RIT7	7/5, 10	23
52	CSxC	R4T3 Redding Ridge	A	CAES	7/5, 10	3
53	GJA	R3T5 R.R. -38	A	CAES	7/5, 10	3
54	JC	R1T5 R.R. Dunblith	A	CAES	7/5, 10	2
55	C	R7T2 New Haven	C	R8T7	7/5, 10	42
56	E	Mendillo	C	Hobson R11T14	7/6, 8, 11	2
57	E	"	Tiger Paw	78944 R9T10	7/6, 8, 11	13
58	E	Villa Col	C	R9T10	7/6, 8, 11	0

59	E	New Haven Villa Col	C	Hobson R11T14	7/6, 12, 14	1
60	C	RIT15	E	"pistolese"	7/6, 11, 14	3
61	CA	R2AT36 487-38	J	sheriff Cheshire	7/6, 11, 14	25
62	CJA	R56T23	probably J	From N.J. E.S. Gft. R8T3	7/7, 11, 13	5
63	Jxopen	R59T33 Gft. Hobson	C	Gft. N.J. E.S. R8T3	7/7, 12, 14	30
64	C	Δ piece	S	R4T2	7/13, 17, 19	0
65	JA	R54T10 140-37	CS	m-38? R9T10	7/7, 11, 13	6
66	CJA	RAT3 661-38	A	#4 Roxbury	7/11	0
67	JxJA	R3AT1 Gft. 86-31	A	#4 Roxbury	7/12, 14, 17	0
68	JA	R4T4	CS	m-38? R9T10	7/7, 10, 12	30
69	C	RIT9	JA	Gft. 86-31 R4T4	- - -	-
70	S8xA	RIAT46 226-31	C	Burbank miracle R8T7	7/7, 10, 12	14
71	JA	RAT11 86-31	CS	m-38? R9T10	7/7, 11, 13	6
72	JA	R4T10 sheriff	CS	R9T10	7/10, 12, 14	10
73	J	Cheshire	CA	R2AT36	7/7	0
74	A	Roxbury #1	CxJA	263-37 R12T12	7/7, 11	8
75	A	Roxbury #2	CS	m-38? R9T10	7/7, 11	131
76	A	" #4	CxJA	140-35 RAT3	7/7, 11	18
77	A	" #5	CxJA	140-37 RAT3	7/7, 11	31
78	A	" #5	CxJA	263A-37 R12T12	7/2, 11	49
79	A	" #6	CxJA	140-37 RAT3	7/7, 11	6
80	A	" #6	CS	m-38? R9T10	7/7, 11	4
81	C	RIT9 105-34	E	New Haven Villa Col	7/10, 12, 14	10
82	CA	R2T8 337-37	J	sheriff Cheshire	7/10, 12, 14	12
83	CJA	R2T2	A	Roxbury #4	7/11, 13, 17	9
84		omitted				
85	CJA	R2AT2 453-38	A	Roxbury #4	7/11, 13, 17	36
86	CA	RIT4 Litch.	J	sheriff Cheshire	7/7, 10, 13	37
87	CA	RIT10 Litch	J	"	7/7, 10, 13	38

of bags at debugging 7/18, 20/51

see pollination sheet for # of nuts developing

88	probably J C	R8T3 545-38	CJA	R56T23 487-38	7/7, 10, 13	15		1	S8xJ	R16T1 9-34	S8xJ	R15T1 9-34	6/22, 24, 27	46	23	sheet for #
89	CJA	R2AT8 255-37	A	Roxbury #4 279-37	7/11, 13, 17	2		2	S8xJ	R15T1 17-34	S8xJ	R16T1 20-34	6/22, 24, 27	20	43	of nuts developing
90	CJA	R57T15 478-38	CJA	R60T41 Roxbury #5	7/11, 13, 17	0	7 bags	3	CS	R12T6 115B-35	CS	R14T5 115A-35	6/27, 29, 7/2	30	107	
91	CJA	R3AT23 478-38	A	Roxbury #5 5/17/50	7/12, 14, 17	4		4	JxS8	R2T6 33-43	JxS8	R4T15 33-43	6/22, 26, 28	7	5	
92	CJA	R3AT23 300-38	Qm(p)	Mt. Carmel Roxbury #5	7/12, 14, 17	0		5	JxJA	R5T15 115A-35	JxJA	R5T14 115B-35	6/22, 26, 28	19	81	
93	CJA	R3AT24 276-37	A	Roxbury #5 300-38	7/12, 14, 17	4		6	JxS8	R4T15 226-31	JxS8	R2T6	6/26, 28, 30	3	0	
94	GJA	RBT14 344-37	CJA	R3AT24	7/12, 14, 17	11		7	JA	RAT11 115-35	CJ	R9T10 115A-35	6/28, 30, 7/2	14	0	
95	CJA	R7T8 R7T15 is a JA 88-35	CJA	R5T13	7/11 ^{qs} dropped	0		8	JxS8	R8T14 33-43	JxS8	R4T15 33-43	6/26, 28, 30	7	59	
96	CJA	R7T13? 276-37	CJA	R5T13 5/22/50	7/11, 13, 17	0		9	JxJA	R5T14 195-32	JxJA	R5T15 226-31	6/26, 28, 30	11	10	
97	CJA	R5T13 263-37	Qm(p)	Mt. Carmel 5/22/50	7/12, 14, 17	2		10	JA	RAT15 88-42	JA	RAT11	6/28, 30, 7/2	14	10	
98	CJA	R12T12 337-37	Om(p)	Mt Carmel 545-38	7/12, 14, 17	0		11	JxJA	R5T4 ?	JxJA	R7T4 88-42	7/2, 4, 6	18	83	
99	CJA	R10T6 640-38	CJA	R2AT8 337-37	7/11, 13, 17	12		12	JA	R2AT25 20-34	JxJA	R1T13 17-34	6/29, 7/2, 4	-	11	
100	JAxC	R3AT4 (17-34?)	CJA	R2T2 20-34	7/11, 13, 17	0		13	CS	R14T5 393-37	CS	R12T6	6/26, 29, 7/2	17	105	
101	CS	R2T11 333-37	CS	R14T5 5/17/50	7/12, 14, 17	36	10 to Italy	14	JAxJ	R6T15 Villa Colombo New Haven	CS	R1T7	6/26, 30, 7/2	14	0	
102	CJA	R3T12	Qm(p)	Mt. Carmel Roxbury #5	7/12, 14, 17	2	Harvested 10/16/50	15	E	"	CJ	R9T10 Wash.	6/25, 27, 30	-	13	+ 8 nuts shrivelled
103	J	R13T2	A	Roxbury #5	7/12, 14, 17	0		16	E	"	C	R3T6 Wash.	6/25, 27, 30	-	7	+ 12 nuts shrivelled
104	J	R13T2 271-37	A	North Carolina 276-37	7/12, 14	0		17	E	"	C	GH-4	6/25, 27, 30	-	28	
105	CJA	R5T3	CJA	R5T13	7/13, 17	2		18	JxJA	R3AT31 147-36 661-38	CJ	R9T10 88-42	6/28, 30, 7/2	21	152	
							1332 add. checked	19	JxJA	R3AT1	JxJA	R5T4	7/2, 4, 6	27	58	
							1259 nuts according to the NNSA report	20	S	RAT7	C	R1T12	6/28, 7/1	0	0	qs dropped off
								21	S	RAT7	C	R1T9	7/2, 4, 6	4	3	
								22	S	RAT8	C	R1T12 12-33	6/28, 7/2, 4	5	2	
								23	J	R13T2 Hobson	JA	R4T12	7/2, 4, 6	22	74	6 nuts dry at harvest
								24	C	Δ piece Simpson	Seq	R4T2	7/2, 4, 6	12	0	
								25	C	Δ piece	S	R2T14	7/2, 4, 6	6	1	
								26	C	R1T9 83-40	S	R3T8	7/4, 6, 8	6	0	
								27	JA.J	R50T11	CJ	R1T7	7/2, 4, 6	4	6	
								28	C	R1T9	S	R2T14	7/4, 6	7	1	
								29	C	R1T12	E	Villa Colombo	6/28, 7/2	106	9	

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1995
2008
2010
2016

of bags at time of debagging

30	JxJA	88-42 R7T4	C	RIT15	7/2,4,6	0	0	all ♀'s dropped off Aug 7/6
31	J	R15T3	JA	R4T4	7/4,6,8	12	59	
32	C	RIT15	JA	Ham 86-31 Gft. R4T4+R3T3	7/3,5,7	44	54	
33	C	RIT15	JA	226A-31 RAT11	7/2,4,6	15	26	
34	CS	m-38 R9T10	JA	226A-31 RAT11	7/2,4,6	12	15	
35	CS	R9T10	JA	51-40 R54T6	6/29, 7/2	14	15	
36	C	R8T3	JA	12-33 R4T12	7/2,4,6	12	8	Only 3 nuts good
37	JA	R4T12	C	R32T6	7/3,5,7	10	3	
38	C	R32T6	JA	12-33 R4T2	7/3,5,7	4	0	
39	JA	R4T12	C	R8T3	7/2,4,7	11	22	
40	JA	99A-33 R3T5	C	RIT15	7/2,4,6	9	7	
41	CA	(202,3015)-36 R2AT37	J	sheriff Cheshire	7/2	4	0	
42	JxJA	41-39 RZT42	C	RIT15	7/2,4,6	2	0	
43	JAxJ	61-39 RZT55	CS	78036 RIT7	7/2	0	0	♀'s dropped off
44	S8xA	54-35 R9T14	CS	RIT7	6/29, 7/3,4	5	5	
45	A&	L.I 25K-35 R10T10	CS	RIT7	7/3,5,7	28	124	
46	J	Cheshire sheriff	CA	R2AT37	6/28, 7/1	-	2	
47	J	"	A	Roxbury, Ct. 86-31 Gft.	6/28, 7/1	-	45	
48	C	RIT3	JA	R4T4	7/5,7,9	35	21	
49	C	RIT4	JA	86-31 Gft. R4T4	7/4,6,8	36	86	
50	JA	86-31 Gft. R3T3+R4T4	C	RIT15	7/5,7,9	33	17	
51	A&	L.I 25K-35 R10T10	Qm	Q. montana Sleeping Giant	7/5,7,9	10	0	
52	CJA	138A-37 R59T39	Qm	"	7/6,8,10	1	1	
53	CJA	279-37 R60T41	Qm	"	7/6,8,10	6	0	→R60T41
54	A	#5 Roxbury	CJA	263A-37 R12T12	7/3,5	13	47	
55	A	#5 Roxbury	CJA	138A-37 R59T39	7/3,5	20	11	
56	A	#1 Roxbury	CJA	338D-37 R51T5	7/3,5	17	10	
57	A	#1 Roxbury	CJA	276A-37 R5T13	7/3,5	14	4	
58	A	#6 Roxbury	C	RIT15	7/3,5	21	88	

59	CJA	309A-38 R53T48	C	FP530 R32T6	7/3,5,7	5	0	
60	CJA	(Ham) R2T2	A	Roxbury	7/4,6,8	21	25	
61	C	RIT9	A	Roxbury	7/4,6,8	49	63	
62	C	49636 RIT7	A	Roxbury	7/2,4,7	18	18	
63	CA	105B-34 R2T8	CA	55-40 R50T42	7/4,6,8	15	57	
64	JJA	300-38 R3A724	JJA	300-38 R3AT26	7/2,4,6	2	0	
65	JJA	300-38 R3A726	JJA	300-38 R3AT24	7/2,4,7	12	2	
66	CA	105B-34 R2T8	CA	95A-34 R14T1	7/4,6,8	15	29	
67	CJA	545-38 R2AT8	CJA	552-38 R3AT3	7/5,7,9	8	24	
68	CJA	260A-37 R51T27	CJA	268B-37 R60T28	7/5,7,9	9	21	
69	CJA	276A-37 R5T13	CJA	276A-37 RBT14	7/4,7,9	32	91	
70	CJA	276A-37 RBT14	CJA	276A-37 R5T13	7/4,6,8	34	102	
71	CJA	338D-37 R51T5	CJA	337F-37 R2T2	7/6,8,10	18	49	
72	CJA	337B-37 R10T6	CJA	333A-37 R3T12	7/4,6,8	15	56	
73	CJA	333A-37 R3T12	CJA	337B-37 R10T6	7/4,6,8	10	13	
74	omitted							
75	CJA	344A-37 R7T3	CJA	344B-37 R7T8	7/6,8,10	17	37	
76	CxS	17-34 R2T11	CS	17A-34 R12T6	7/3,5	13	23	
77	CS	17-34 R2T11	CS	17B-34 R10T11	7/6,8	37	210	

Total 2380 + 20 shrivelled

Total Total 2400

See pollination sheets for further break down of the number of bags, nuts, and bags with nuts at time of debagging 7/18, 20.

2400 nuts accord- ing to NNSA report

1	H	R32T1 9-34	C	L-23 Beltsville	6/17	8	Pollination made late	30	J	sheriff Cheshire 83-40	CA	(202-3-5)-36 R2AT36	6/29, 7/1	31
2	S8xJ	R16T1 5B-34	S8xJ	5B-34 R4T6 9-34	6/19, 23, 25	41	Note Harvested 9/11	31	JAxJ	R50T11 86A-34	JJA	95A-34 R14T1	6/29, 7/1, 3	21
3	S8xJ	R4T6 115B-35	S8xJ	R16T1 115A-35	6/19, 23, 25	144		32	CA	R4T5 300-38	JJA	95A-34 R14T1	6/30, 7/2, 4	0
4	JxS8	R2T6 115B-35	JxS8	R4T15	6/20, 23, 25	31		33	CJA	R3AT26 238-31	CJA	300-38 R3AT24	6/30, 7/2, 4	0
5	JxS8	R2T6	A	Grassman, N.J.	6/20, 23, 25	3		34	JJA	RBT10 238-31	C	R1T12	7/2, 4, 6	0
6	E	Villa Columbo 17A-34	C	L-23 Beltsville	6/20, 23	0		35	JA	RBT10	C	R1T15	7/2, 4, 6	2
7	CS	R12T6 20-34	CxSeq	R14T5 17A-34	6/24, 26, 28	83		36	C	RIT12	JA	195C-32 RAT15	6/30, 7/2, 4	34
8	CS	R14T5 88-42	CS	R12T6	6/25, 27, 30	21		37	C	RIT12	JJA	238-31 RBT10	7/2, 4, 6	20
9	JxJA	R5T4	C	RIT7	6/26, 28, 30	3		38	C	RIT15	JA	110-32 R11T6	7/1, 3, 5	7
10	J	sheriff Cheshire	E	Villa Columbo	6/27, 29	0		39	C	RIT15	JA	6ft. 86-31 R4T4	7/2, 4, 6	79
11	J	"	A	Grassman N. J.	6/27, 29, 7/1	43		40	CJA	R3AT24 661-38	A	#2 Thomaston	7/4, 6, 8	1
12	RS	RIT7 12-33	E	Villa Columbo	6/28, 30	89		41	JxJA	R3ATI 661-38	C	R32T6	7/1, 3, 5	4
13	JJA	R4T12 110-32	C	RIT12	6/28, 7/1, 3	4		42	JxJA	R3ATI LT25K-35	JxJA	R2AT10	7/4, 6, 8	14
14	JA	R11T6 19-33	C	RIT12	6/27, 29, 7/1	210		43	AxC	R10T10 LT58-35	C	Dr. Jones	7/1, 3, 5	10
15	JJA	R10T9 33-43	C	RIT12	6/27, 29, 7/1	103	Former location of ♀ A x S9 Lt 600-35	44	AxC	R10T12 263A-37	C	Dr. Jones	7/1, 3, 5	8
16	JxJA	R5T14 88-42	C	RIT7	6/27, 29, 7/1	3		45	CJA	R12T12 478-38	CJA	R61T48	7/5, 7, 9	18
17	JxJA	RIT10 6ft Burbank Mir.	JxJA	RIT13 88-42	6/28, 30, 7/2	3		46	CTA	R3AT23 253-37	CJA	RAT3	7/1, 3, 5	4
18	C	R8T7 Hobson	S	R2T14	6/28, 30, 7/2	179		47	CTA	R61T48 88-42	CTA	R60T28	7/7, 9	0
19	C	R11T14 12-33	S	R2T14	6/28, 30, 7/2	0		48	JxJA	RIT11 712-38	JxJA	R2AT10		
20	JA	R4T12 (202-3-5)-36	C	RIT15 (202-3-5)-36	6/30, 7/2, 4	19		49	JxJA	R2AT10 712-38	JxJA	RIT11	7/4, 6, 8	3
21	CA	R2AT37 (202-3-5)-36	CA	R2AT36 (202-3-5)-36	6/28, 30, 7/2	10		50	JxJA	R2AT10	C	Dr. Jones	7/4, 6	5
22	CA	R2AT36	CA	R2AT37	6/28, 30, 7/2	29		51	JxJA	R59T35 6ft. Ham 86-31	JxJA	R2AT10	7/5, 7, 9	0
23	J	R13T2 95A-34	C	RIT12	6/30, 7/2, 4	46		52	JA	R3T3	C	R32T6	7/3, 5, 7	0
24	JJA	R14T1 55-40	CA	R50T42 95A-34	6/30, 7/2, 4	93		52	JA	R12T7 6ft. Ham 86-31	C	R32T6	7/3, 5, 7	0
25	CA	R50T42 309A-38	JJA	R14T1	6/30, 7/2, 4	82		53	JA	R4T4	C	R8T3	7/2, 4, 6	4
26	JJA	R53T48 49A-33	C	R32T6	6/29, 7/1, 3	7		54	C	RIT4	JJA	RBT10	7/5	31
27	JA	R3T5 14-33	C	RIT12	6/30, 7/2, 4	7		55	C	RIT3	JA	99A-33 R3T5	7/7, 9, 11	23
28	JA	R2T12 640-38	C	RIT15	6/30, 7/2, 4	0		56	C	RIT3 268A-37	JA	R2T12	7/7, 9	10
29	JAxC	R3AT4	A	Grassman Newfoundland	6/30, 7/2, 4	15		57	CJA	R60T27	CJA	268B-37 R60T28	7/2, 4, 7	18

♀ could be JA
(85-88)-35
"probably not"

note duplicated
pollination #

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1995
2008 2010

58	CJA	276A-37 RBT14	Betula Lenta	Arnold Arboretum	7/4, 7	4	note	1	H	R32T1	C	Mrs. Drysart N.C.	? 6/17	0
59	CJA	276A-37 RBT14	Fagus grandifolia	"	7/4, 7	0		2	H	R32T1	H	West lot	6/17, 19	0
60	CJA	276A-37 R5T13	CJA	276A-37 RBT14	7/7, 9	26		3	P	RΔT4	P	RET3	6/19, 21, 24	17
61	CJA	83-39 RZT57	CJA	83-39 RZT56	7/2, 4, 6	3		4	P	RET3	P	RΔT4	6/19, 21, 24	6
62	CJA	338D-37 R5IT5	CJA	337F-37 R2T2	7/7, 9	42		5	O	RET2	O	RHT2	6/19, 21, 24	128 Row H?
63	CJA	453-38 R2AT2	CJA	457-38 R2AT12	7/5, 7, 9	26		6	O	RHT1	O	RHT2	6/19, 21, 24	3
64	CJA	253-37 R6IT41	C	R32T6	7/7	5		7	H	R32T1	A	Drassman N.J.	6/21, 24, 26	0
65	CJA	545-38 R2AT8	A	#5 Roxbury	7/7, 9	0		8	H	R32T1	CJA	Mrs. H. S. Drane	6/21, 24, 26	0
66	CJA	344-37 R7T8	A	#5 Roxbury	7/7, 9	0		9	S	R3T8	S	USDA R3T7	6/25, 27, 29	1
67	CJA	337F-37 R2T2	A	#2 Thomaston	7/5, 7, 9	39		10	S	RAT7	S	Ching Hillside	6/25, 28, 30	0
68	A	Roxbury	CJA	276A-37 RBT14	7/3, 6	34		11	Alnifolia	RBT2	Alnifolia	RBT3	6/26, 28, 30	0
69	A	Roxbury	CJA	276-37 R5T13	7/3, 6	23		12	JA	R4T12	C	RIT12	6/28, 30, 7/2	35
70	A	Roxbury	CJA	268-37 R60T28	7/3, 6	122	22 nuts small	13	JA	R4T12	C	R32T6	6/29, 30, 7/2	28 About 3 nuts of #12 got mixed with these.
71	A	Roxbury	CJA	333-37 R3T12	7/3, 6	34	1 nut small	14	JA	R4T4	C	RIT12	7/3, 5, 7	65
72	A	Thomaston	C	453-38 RIT15	7/3	3		15	JA	R3T3	C	RIT4	7/4, 6, 8	33
73	A	Thomaston	CJA	453-38 R2AT2	7/3, 6	10		16	JA	R12T7	C	RIT4	7/4, 6, 8	0
74	JA	Litchfield 65-39 RIT10	JA	Litchfield 65-39 RIT8	7/3, 6	2		17	JA	R2T12	C	RIT12	6/29, 7/1, 3	0
75	JA	Litchfield 65-39 RIT4	CA	55-40 R50T42	7/3, 6	0		18	JA	R3T5	C	R8T3	6/29, 7/1, 3	22
76	CS	17-34 R2T11	CS	17B-34 R10T11	7/7, 9	0		19	JAXJ	R50T11	C	RIT4	6/29, 7/1, 3	25
77	C	17-34 RIT9	CS	17B-34 R2T11	7/7, 9, 11	13		20	C	RIT3	JA	R4T12	7/5, 7, 9	21
78	C	Simpson RIT9	CS	17B-34 R10T11	7/7, 9, 11	2		21	C	RIT3	JA	R2T12	7/5, 7, 9	12
79	C	105B-34 RIT4	S	R4T2	6/28, 7/3, 5	0		22	C	RIT4	JA	R3T5	7/3, 5, 7	9 30 June
80	CA	R2T8	A	Roxbury	7/7, 9	8		23	A	Roxbury	CJA	R2T2	7/3, 6	1
					Total	1722	add checked	24	A	"	CJA	R2T2	7/3, 6	0
								25	A	"	CJA	R5T13	7/3, 6	0
								26	A	"	CJA	R3AT23	7/3, 6	1
								27	A	Thomaston	CJA	R2T2	7/3, 6	0
								28	CJA	276A-37 RBT14	Fagus grandifolia	Slipping Liant	7/3, 5, 7	0
								29	CJA	276A-37 RBT14	Quercus montana	"	7/3, 5, 7	0
								30	CJA	276A-37 R5T13	Fagus grandifolia	"	7/3, 5, 7	2 of eight selfs on 928+29 1 nut was collected

Further data on debagging on pollination sheets

Check with Hans

1690 nuts according to NNGA report

of eight selfs on 928+29 1 nut was collected

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1995

2008 2010 2015

29	CJA	276A-37 R5T13	Gm	Sleeping Liant	7/3, 5, 7	0	1	H	-	R15T6	A	Drassman Elizabeth, N.J.	6/25, 28,	0	Debbuging 7/23
30	CJA	138A-37 R59T39	Fagus Grandifolia	"	7/4, 6, 8	0	2	H	-	R15T6	J	R13T2	6/25, 28	0	" "
31	CJA	263A-37 R12T12	"	"	7/4, 6, 8	0	3	S8xJ	-	R16T1	A	Drassman Elizabeth, N.J.	6/25, 28	21	" "
32	CJA	337F-37 R2T2	"	"	7/3, 5, 7	5	4	H	-	R32T1	A	"	6/25, 28	0	" "
33	CJA	300-38 R3AT24	"	"	7/4, 6, 8	0	5	S8xJ	-	R2T6	S8xJ	115B-35 R8T14	6/30, 7/2	30	" "
34	JxJC	640-38 R3AT4	A	Roxbury	6/29, 7/1, 3	20	6	H	-	R32T1	C	R1T7	6/30, 7/2,	0	" "
35	JxJA	88-42 R7T4	C	RIT3	7/5, 7, 9	-	7	J	-	R13T2	CA	(202-3-5)-36 R2AT36	6/30, 7/2	58	" "
36	JxJA	95A-34 R14T1	A	Roxbury	6/28, 30, 7/2	0	8	S8xC	-	R2AT13	S8xC	(327-377)-38 R3AT44	6/30, 7/2	1	" "
37	CA	105B-34 R2T8	A	Bowman Clinton Corners Corners, N.Y.	7/5, 7, 9	9	9	J	-	Cheshire	CA	(202-3-5)-36 R2AT36	7/2, 5,	29	" "
38	CA	(202-3-5)-36 R2AT37	A	Thomaston	6/29, 7/3, 5	26	10	J	-	"	CA	55-40 R50T42	7/2, 5	50	" "
39	CA	55-40 R50T42	A	"	6/29, 7/4, 6	4	11	J	-	"	C	R32T6	7/2, 5	5	" "
40	AS	LI 25K-35 R10T10	C	RIT3	7/4, 6, 8	3	12	JA	-	R11T6	C	RIT15	7/2, 5, 8	38	Debbuging 7/26
41	JxJA	88-42 RIT10	JxJA	RIT13	6/28, 30, 7/2	15	13	JA	-	R10T9	C	RIT15	7/2, 5, 8	108	? 9 parent pedigree
42	E	88-42 Grange	E	Villa Colombo	6/26, 29, 7/2	82	14	JA	-	R4T12	C	RIT4	7/2, 5, 8	4	mixed with no. 62
43	C	88-42 RIT15	JA	R2T12	6/29, 7/1, 3	52	15	JxJA	-	RIT10	JxJA	RIT13	7/4, 6, 9	27	" "
44	C	198-32 RIT15	J	R34T3	6/29, 7/1, 3	6	16	JA	-	RAT15	C	RIT12	7/4, 6, 9	0	" "
45	Ashei	95A-34 Hillside	P or Ashei	Blue Spring	6/29, 7/1, 3	0	17	JxJA	-	R14T1	A	Drassman Elizabeth, N.J.	7/4, 6	3	" "
46	A	17A-34 R13T1	A	Bowman Clinton	6/30, 7/3, 6	5	18	CxS	-	R12T6	C	RIT9	7/5, 7	242	nuts mixed with #20
47	CA	105B-34 R2T8	A	Clinton Corners, NY New Foundland N.J.	7/5, 7, 9	9	19	C	-	Simpson	S	Hillside	7/5, 7,	11	" "
					Total	645	20	CS	-	R12T6	C	Hobson R11T14	7/4, 6	16	nuts mixed with #18
							21	JxJA	-	R14T1	J	R2AT41	7/5, 7, 9	15	nuts mixed
							22	CA	-	R2AT36	J	R13T2	7/5, 7	0	" "
							23	S8xC	-	R3AT44	S8xC	R2AT13	7/5, 7	0	" "
							24	CJA	-	RBT14	CJA	R59T39	7/5, 7, 9	114	" "
							25	CJA	-	RAT3	CJA	R59T39	7/5, 7, 9	0	" "
							26	JA	-	RBT10	C	R8T3	7/6, 9	19	" "
							27	JxJA	-	R3AT1	C	RIT12	7/5, 8, 10	86	see card
							28	C	-	RIT12	JA	RBT10	7/5, 7, 10	7	" "
							29	C	-	RIT15	J	sheriff Cheshire	7/5, 8	7	" "

nuts from selfing
may also be in there

one at R13T1 WRPL
surviving 2000 Graves

? 111 nuts
withered

probably it
was ashley

short on
pollen

504 nuts according
to NNGR

38

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57

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1954

30	C	RIT15	JA	110-32 R11T6	7/5, 7, 10	24	
31	C	RIT12	J	sheriff chesire 337F-37	7/5, 8	0	
32	CJA	R3AT24	CJA	R2T2 337F-37	7/6, 8	39	
33	CJA	R3AT26	CJA	R2T2 337F-37	7/6, 9	17	
34	CJA	R3T48	CJA	R2T2	7/7, 9	26	
35	JA	R2T12	C	R32T6 12-33	7/6, 9	0	
36	C	RIT4	JA	R4T12	7/6, 9	48	
37	CJA	R60T41	C	RIT15 105B-34	7/6, 8, 10	0	
38	CA	R50T42	CA	R2T8	7/8, 10	24	
39	CJA	R7T8	A	Drassman Elizabeth, N.J.	7/6, 10	5	
40	JxJA	R2AT10	C	R32T6	7/7, 9	20	
41	CJA	R2AT8	A	Drassman Elizabeth, N.J.	7/8, 12	3	
42	CJA	RZT57	CJA	RZT56 83-39	7/6, 9	0	
43	CJA	RZT56	CJA	RZT57 138A-37	7/6, 9	0	
44	JAc	R3AT4	CJA	R59T39 253-37	7/7, 9	21	
45	JAc	R3AT4	CJA	R61T48 276A-37	7/12, 14	15	4 seedlings
46	JAc	R3AT4	CJA	R5T13 138A-37	7/8, 10	7	11 " ?
47	A	Roxbury	CJA	R59T39 276A-37	7/8, 11	139	1 " "
48	A	Roxbury	CJA	RBT14 337F-37	7/9, 11	10	4 " mixed with #49
49	A	"	CJA	R2T2	7/8, 11	20	6 " + mixed with #48
50	JA	Litchfield 65-39 RIT4	JA	Litch. 65-39 RIT8	7/8, 11	0	
51	JA	Litch. 65-39 RIT4	JA	Litch. 65-39 RIT10	7/8, 11	1	0 seedling
52	JA	Litch. 65-39 RIT8	JA	Litch. 65-39 RIT4	7/8, 11	8	2 "
53	JA	Litch. 65-39 RIT10	JA	Litch. 65-39 RIT4	7/8, 11	2	1 "
54	CJA	R59T39 268B-37	CJA	R61T48 253-37	7/12	0	
55	CJA	R60T28 253-37	CJA	R61T48 138A-37	7/10, 12	3	
56	CJA	R61T48 276A-37	CJA	R59T39 272A-37	7/12	8	
57	CJA	R5T13 337F-37	CJA	R50T27 338D-37	7/9, 12	10	
58	CJA	R2T2	CJA	R5IT5	7/10, 12	10	

1954

59	CJA	338D-37 R5IT5	C	R32T6	7/12, 13	30		
60	CA	105B-34 R2T8	J	R13T2	7/8, 10	1		
61	C	238-31 RIT3	JA	RBT10	7/13	36		
62	JA	12-33 R4T12	C	RIT3	7/12, 14	5	nuts mixed with #14	
63	JA	677 Ham 86-31 R4T4	C	RIT3	7/12	14	10 seedlings	
	JA	677 Ham 86-31 R3T3	C	RIT3	7/12			
	JA	677 Ham 86-31 R12T7	C	RIT3	7/12			
						Total	1448	

all debagging apparently done on 7/23 and 7/26

64	J.S8	R2T6	S8.J	R4T6
65	S8.J	R4T6	S8.J	R15T1
66	S8.J	?	S8.J	?

* Given pollination numbers in nursery. None was doing a pistil fertility Exp and these presumably resulted from that work. They initially had not been given poll. numbers.

1448 nuts according to NNGR

1	H	R32T1 chink. Cor.	P	Chink. cor RZT1	6/13,15	6		30	CA	Litch. 65-39 RIT4	J	Sheriff Cheshire	6/28, 7/1	0
2	P	R2T1	H	refrigerated pollen R32T1	6/13,15	0	Refrigerated pollen	31	CA	Litch 65-39 RIT8	J	"	6/28, 7/1	0
3	P	R2T1 [R4]	H	fresh pollen R32T1	6/13,15	5	Fresh pollen	32	AC	Litch 192-37 R2T5	J	"	6/28, 7/1	0
4	S8xJ	R5T6	A	Eliz. N.J. Grassman Nut Orchard (R53T6?)	6/21, 23	74	S8xJ never received at R5T6 Probably 12 seedlings R4T6	33	CA	Litch 15-39 R3T1	J	"	6/28, 7/1	0
5	S	R3T7	C		6/23,25,27	5		34	JxJA	88-42 RIT10	C	RIT9	6/30, 7/2	0
6	JA	R3AT41 Gft. 86-31 (?) R4T10	A	Roxbury	6/25,27	0		35	JA	19-33 R10T9	CA	R2T8	7/2, 5	0
7	S	RAT7 9-34	J	R13T2	6/23,25,27	0		36	AC	LF25K-35 R10T10	C	RIT9	6/30, 7/2	1
8	S8xJ	R16T1 #5	A	Grassman Eliz., N.J.	6/22, 25	2		37	CA	86-34 R4T5	C	RIT12	6/28, 30	0
9	E	Denmark Gft 115B-35	C	Next East(?)	6/24,27,29	12		38	CJA	276A-37 R5T13	CA	R4T5	6/28, 30	0
10	JxS8	R2T6 17A-34	A	Roxbury	6/25, 27	0		39	JxS8	115B-35 R8T14	C	RIT9	7/2, 5	0
11	CS	R12T6 45-51	J	Sheriff Cheshire	6/25,27	0		40	CS	20-34 R14T5	C	Nut Orchard	6/29,30	3
12	AC	R9T12 #4	J	Sheriff Cheshire	6/25,27,29	0		41	J	R13T2	A	Roxbury	6/29, 7/2	0
13	E	Denmark 115A-35	CS	R12T6	6/25,27,29	112		42	JA	R34T1+R8T10 Gft. 338-31	C	RIT15	7/2, 5	5
14	JxS8	R4T15	S	R4T2	6/25,27	0		43	JA	Gft. R37T1 226A-31 RAT11	C	RIT15	6/30, 7/2	10
15	A	Roxbury	J	Sheriff Cheshire	6/24,28	0		44	JA	Gft. R37T2 226A-31 RAT11	C	RIT15	6/30, 7/2	25
16	C	RIT15	JA	R4T12	6/27,29	6	2 seedlings	45	J	Sheriff Cheshire	CA	Litch. 15-39 R3T1	7/1	0
17	C	RIT12 17-34	JA	R4T12	6/27,29	0		46	J	"	CA	Litch. 65-39 RIT4	7/1	0
18	CS	R2T11 105B-34	J	priso nuts R13T2	6/29, 7/1	69		47	C	R32T5	CJA	138A-37 R59T39	-	-
19	CA	R2T8 (85a88)-31	J	Sheriff Cheshire	6/27, 29	1		48	CA	N.J.E.S. Gft. R8T3	JA	Gft. Ham 86-31 R4T4	7/5	35
20	JA	R3AT1 88-42	C	RIT15	6/28,30	0		49	CA	300-38 R3AT24	A	Roxbury	7/6	0
21	JxJA	RIT13	C	RIT9	6/30, 7/2	0		50	S	R3T8	A	Roxbury	7/3	1
22	C	RIT9 12-33	JA	Ham 96-31 Gft. R4T4	7/5	0		51	CJA	276A-37 RBT14	CA	R2T8	7/5	0
23	JA	R4T12	C	RIT9	6/29, 7/2	6		52	CA	300-38 R3AT26	CS	R2T11	7/6	0
24	CJA	R5T13 276A-37	CJA	138A-37 R59T39	7/5	20		53	CJA	478-38 R3AT23	C	RIT12	7/6	0
25	JxJA	R6T12 86-42	A	Roxbury	7/2	0		54	CJA	138A-37 R59T39	C	USDA (33-39) R32T5	7/7	0
26	JxJA	R5T7 86-42	C	RIT15	6/30, 7/2	0		55	CJA	253-37 R6IT48	CJA	138A-37 R59T39	7/7	1
27	J	R7T5	A	Roxbury	6/30, 7/2	45								
28	J	R7T7 344-37	A	Eliz., N.J. Grassman	6/29, 7/1	34								
29	CxJA	R7T8	CJA	253-37 R6IT48	7/6	6								

Total 484 all checked

There is some question as to whether "0" in the net column means that absolutely no nuts were formed.

No. initially Bagged No Nuts at harvest

1	P	Chink Cor	H	R32T1	6/22, 25, 29	4	0	
2	J	R3T14	A	Grassman Elig., N.J.	6/25, 29, 7/2	4	3	
3	J	R13T2	A	"	6/25, 28, 7/2	9	5	
4	S8xJ	R4T6	A	"	6/26, 28, 7/2	7	3	
5	H	R32T1	P	Chink Cor.	6/26, 28		0	
6	S8xJ	R16T1	A	Grassman Elig., N.J.	6/26, 29, 7/2	14	1	Badly weeviled
7	H	R15T6	P	Chink Cor.	6/26, 28	9	1	
8	J	Sheriff Cheshire 54-35	A	Grassman Elig., N.J.	6/29, 7/2, 6	11	1	
9	S8xA	R9T14 (45-51)	(J)	usBA (29)-31	7/2, 7, 9	13	15	
10	ACxC	R9T12 (45-51)	A	Grassman Roxbury	7/2, 7, 10	3	2	nuts mixed
11	ACxC	R9T12 (115B-35)	(J)	usDA (29)-31	7/2, 7, 10	3	5	
12	JxS8	R2T6 LE 25K-35	(J)	R9T10	7/2, 7, 10	4	3	
13	AC	R10T10 25-35	(J)	R9T10	7/7, 10, 12		32	
14	CA	R5T8	(J)	R9T10	7/2, 7, 9	14	61	
15	A	Roxbury 344-35	J	Sheriff Cheshire	7/3		0	
16	CJA	R7T8 238-31	A	Grassman, N.J. Roxbury	7/7, 10, 12	6	3	
17	JA	RBT10 12-33	C	R38T6	-	-	-	no f's available
18	JA	R4T12	C	R32T6 12-33	7/7, 9, 11	7	4	
20	C	R1T9	JA	R4T12	7/10, 13, 16	10	2	#19 omitted
21	-	-	-	-	-	-	-	omitted
22	C	R38T6	JA	Gff. Ham 86-31 R4T4	7/7, 10	3	0	
23	S	R3T6	C	Chest. Orchard	7/7, 9, 11	4	3	
24	-	-	-	-	-	-	-	omitted
25	JA	R4T4 110-34	C	Gff. Ham 86-31 R4T4	7/7, 9, 11	5	1	
26	JA	R11T6 105-34	C	MAW R38T6	7/7, 9, 11	5	4	
27	CA	R2T8 17-43	(J)	usDA (29)-31 R9T10	7/11, 13, 16	3	12	
28	JxJ	R6T9 17-43	(J)	R9T10	7/7, 9, 11	5	0	
29	JxJ	R10T14 253-37	A	R14T7 + Roxbury	7/7, 9, 11	5	33	
30	CJA	R61T48	CJA	138A-37 R59T39	7/11, 13, 16	12	18	

31	CJA	138A-37 R59T39	CJA	253-37 R61T48	-	-	-	no f's available
32	CS	20-34 R14T5	A	Roxbury	7/8, 11	5	5	
33	CS	17-34 R2T11	A	"	7/9	11	5	
34	E	R13A nr. R13T6 Denmark	C	R1T9	7/9, 15, 16	11	1	weeviled badly nr. = near
35	E	R13A nr. R13T2 Denmark 88-42	C	R1T9	7/9, 15, 16	3	6	f R13AT3
36	JxJA	R1T10	C	Chest. Orchard	7/9, 11, 16	10	19	
37	J	Sheriff Cheshire 86-31	CJA	R3AT23	7/6, 9, 11	5	3	
38	JA	R4T10	C	R38T6	7/7, 10	5	1	
39	JA	R10T9	C	R32T6	7/7, 10	3	6	f was A x S8 L.I. 19-33 60A-35
40	C	Chestnut Orchard 478-38	S	R3T6	7/7, 9, 11	4	0	
41	CJA	R3AT23 300-38	CJA	R3AT24 300-38	7/10, 12, 16	2	0	
42	CJA	R3AT24 17B-36	CJA	R3AT26	7/10, 12, 16	4	0	
43	CxS8	R2AT48	C	R38T6	7/10, 12, 16	4	4	
44	C	R1T15 276A-37	A	R14T7 276A-37	7/10, 12, 16	4	0	
45	CJA	RBT14 276A-37	CJA	R5T13 276A-37	7/10, 12, 16	3	0	
46	CJA	R5T13 300-38	CJA	RBT14 276A-37	7/10, 12, 16	3	0	
47	CJA	R3AT26	CJA	RBT14	7/10, 12, 16	13	2	
48	C	R1T15	H	R15T#6	7/11, 14	6	0	

Also planted:
 A Goyne American 5
 JxFloriana R51T1 OP 5
 H R32T1 OP 3
 A Gould Middletown, N.Y. 2

Total 264 add. checked

(June) 9a. 95 at de-bagging

(June) 9a. 95 at de-bagging

1	H	R32T1	P	Chink cor.	6/17,19,22	8	0	
2	S8xJ	R16T1	A	Grassman N.J.	6/18,20,22	2	2	Harvested 9/11
3	P	Chink Cor.	H	R32T1 Roxbury + Grassman	6/18,19,22	0	0	Harvested 9/26
4	J	Chester	A	"	6/18,21,25	77	3	Harvested 9/26
5	CS	R14T5	A	"	6/19,22,24	13	9	
6	S8xA	R9T6	C	Chestnut Orchard	6/20,22,24		2	
7	S8xA	R9T8	C	"	6/20,22,24	40	87	Harvested 9/27
8	C	Chest. Orchard #2	S8xJ	R14T10	6/20,22,24		0	
9	S	R2T12	C	Chest. Orchard #2	6/20,22,24	5	0	
10	C	Chest. Orchard #2	S	R2T12	6/20,22,24		0	
11	JA	R4T12	(J)	R9T10	6/20,23,25		0	
12	A	#1 (west) Roxbury	(J)	R9T10	6/21,25	20	3	
13	A	#2 Roxbury	(J)	R9T10	6/21,25	10	0	
14	A	#3 Roxbury	(J)	R9T10	6/21,25	19	1	
15	C	R8T7 Burbank Mir.	A	Roxbury 450A (29)-31	6/22,24,27		0	
16	C	R8T7 Burbank Mir.	(J)	R9T10	6/22,24,27		0	
17	S8xJ	R2T6	A	Roxbury + Grassman, N.J.	6/22,24,27	14	10	Harvested 9/30/57
18	CS	R2T11	A	Roxbury	6/24,27,28		0	
19	JJA	R3AT26	CJA	R3AT23	6/24,27,28	22	16	
20	JJA	R3AT23	CJA	R3AT26	6/24,27,28	0	0	
21	JJA	R3AT24	CJA	R3AT26	6/24,27,28	3	0	
22	JJA	R3AT26	CJA	R3AT24	6/24,27,28	16	0	
23	JJA	R3AT24	CJA	R3AT23	6/24,27,28	0	0	
24	JJA	R3AT23	CJA	R3AT24	6/24,27,28	2	0	
25	CJA	R3AT22	CJA	R3AT24	6/24,27,28		0	
26	CJA	R3AT24	CJA	R3AT22	6/24,27,28	4	3	
27	CxS8	R2AT48	A	Roxbury + Grassman	6/24,27,29	0	0	
28	C	R1T15	JA	R4T12	6/24,27,29	29	12	
29a	JxJA		(J) or JA	R4T12 → R9T10	6/24,26,28		4	Crossed with CS or JA

29b	JxJA	R10T14	JA	R4T12	6/24,26,28		2		
30	A	R13T9	ACXC	R9T12	6/25,27,29	0	0		
31	CJA	R61T48	CJA	R59T39	6/26,27,29	1	0		
32	CJA	R59T39	CJA	R61T48	6/27,29,7/1	0	0		
33	C	R38T3	CJA	R14T3	6/26,28,7/1		10	(2 of these split-Xenia)	
34	CJA	R14T3	C	R38T3	6/26,28,7/1	12	0		
35	CJA	R7T8	C	R38T3	6/26,28,7/1	4	0		
36	C	R8T3	CJA	R5T13	6/26,28,7/1	45	0		
37	S	R3T7	C	Chest Orchard	6/26,28,7/1	19	0		
38	C	R1T9	JA	R4T12	6/26,28,7/1	8	3		
39	C	R1T9	JA	R4T10	6/26,28,7/1	2	0		
40	JA	R4T10	C	R1T9	6/26,28,7/1	0	0		
41	JA	R10T9	C	R1T9	6/26,28,7/1	6	11	Harvested 9/26	
42	S	R3T8	C	Chest. Orchard #2	6/27,28,7/1	2	0		
43	C	R38T6	CJA	R14T3	6/26,28,7/1	2	0		
44	CJA	R5T13	C	R38T6	6/27,29,7/1	12	12		
45	AC	R10T10	(J)	R9T10	6/27,29,7/1	30	32		
46	(J)	R9T10	JA	R4T12	6/27,29,7/1	0	0		
47	JA	R4T4	C	R38T6	6/27,29,7/1	0	0		
48	C	Chest. Orchard #2	S	R3T7	6/27,28,7/1		0		
49	CJA	R50T27	(J)	R9T10	6/27,29,7/1		0		
50	CA	R2T8	(J)	R9T10	6/27,29,7/1	2	3	♀'s bagged late may have outcrossed	
51	CJA	R8T6	CJA	R3AT24	6/28,7/1,3	3	0		
52	S8x5	R14T10	selfed		6/18		20	+ other nuts taken by AHG.	
53	S8xQm	R11T8	selfed		(73 bags) 7/3, 53 with nuts		10		
54	S8xQa	R10T8	selfed		(14 bags) 7/3, 14 bags with nuts		7		
							Total	262	
									223 nuts according to NNGA report

38

46

50

54

58

61

70

89

1995

2008

2010

2016

No. of clusters at 1st Pollination No. of Nuts (good ones)

1	J	Early Tap Triangle Chink corner	H	R32T1	6/23 6/25, 27	47	6	
2	O	R8T3 Chink corner	H	Branches Wfd.	6/24, 26, 28, 30	~60	17	
3	P	RAT4 Chink corner	H	"	6/26, 28, 30	~50	0	
4	P	RET3	H	"	6/26, 28, 30	14+	0	
5	P	RZT2	H	"	6/26, 28, 30		0	
6	H	R32T1	H	"	6/26, 28, 30	22+	1	
7	H	R32T1	P	RET1	6/26, 28, 30	36+	1	
8	JxS8	R9T14	A	Branches #3 Roxbury	7/7, 9, 11	11	15	
9	J	R13T2	self	(pollen bags)		9	0	
10	S8xJ	R16T1 Folk	H	R32T3	6/25, 27, 29	34	0	
11	J	R13T2	H	R32T3	6/25, 27, 29 stored pollen	44	1	stored pollen
12	J	R7T7	C	R38T4	7/3, 5, 7	81	93	
13	C	R8T7	EC	R28T8	7/3, 5, 7	34	0	
14	JA	R34T1	EC	R28T11	7/8, 10	53	16	
15	JA	R34T1	JA.OP	R51T31	7/9, 11	13	15	
16	JA	R37T2	C	R17T8	7/9, 11, 14	34	36	
17	JA	R37T2	C	R15T9	7/8, 10, 14	30	14	
18	C	R38T3	JA	R34T1	7/7, 9, 11	6+	0	
19	C	R38T4	JA	R34T1	7/7, 9, 11	16	1	+2 split nuts
20	E	R13AT3	C	R38T3	7/3, 5, 7	95	150	
21	E	R13AT7	CA	RBT10 WRPL	7/2, 4, 7	58	62	
22	EC	R19T12	JA	R4T12	7/3, 7	9	12	
23	EC	R28T10	CA	R8T10 WRPL	7/4, 7	7+	2	nuts collected late dried out
24	EC	R28T11	EC	R28T8	7/2, 4, 7	8	0	shrivelled nuts frozen pollen
25	C	R1T9	H	R32T3	7/9, 11	15	2	
26	JxJA	R1T10	C	R8T7	7/3, 7	56	0	
27	CA	R5T8	?unk	R2AT35	7/7, 9, 11	10	9	
28	C.JA	R57T15	C.JA	R59T39	7/9, 11, 13	34	18	
29								

30	C.JA	R59T39	A	#56 2 Roxbury	7/9, 11, 13	6	0	
31								
32	C.JA	R5T13	C.JA	R14T3	7/9, 11, 14	46	70	
33								
34	C.JA	R3AT24	JA	R4T4	7/8, 10	22	2	+2 split
35	CA	R50T42	JA.OP	R4T7	7/8, 10	15	0	
36	JA.OP	R4T7	?unk	R2AT35	7/7, 9, 11	22	44	
37	JA.OP	R4T7	C.JA	R3AT24	7/8, 9, 11	25	8	
38	JA.C	R5T12	JA.OP	R4T7	7/7, 9, 11	7+	8	
39	JA	R10T9	CA	R50T42	7/8, 10	42	34	
40	A	R10T10	JA	R34T1	7/7, 9, 11	65	11	
50	C	R1T15	J	Sheriff Cheshire	7/8, 10	68	20	
51	J	R1T15	C	Sheriff Cheshire	7/8	100	65	
52	J	"	C	"	7/3, 8	85	9	
53	JA	R4T10	H	R32T3	7/9, 11	7	0	frozen pollen
54	JA.OP	R4T7	CA	R50T42	7/7, 9, 11	19	29	
55	A	Roxbury #1 East	J	Sheriff Cheshire	7/3, 8	75	62	
56	A	Roxbury #2	J	Sheriff Cheshire	7/3, 8	55	33	
57	A	Roxbury #3	J	Sheriff Cheshire	7/3, 8	27	10	
58	A	Roxbury #4 West	J	Sheriff Cheshire	7/3, 8	55	60	
59	JA	R4T12	EC	R28T11	7/4, 7, 9	18	0	
60	C	R1T9	H	R32T3	7/9, 11, 13	19	1	cold storage
61	C	R1T9	JA	R7T78	7/9, 11, 13	40	7	
62	C.JA	R14T3	A	Roxbury #56 2	7/9, 11, 13	30	72	
63	CS	R14T5	A	Roxbury	7/1, 4, 7	13+	2	
64	H	R32T1	6. ♀ bags	not pollinated on 10/11		0	0	69 burs
65	CS	R2T11	A	Burlington, VT.	7/16	25	27	
66	CS	R2T11	self	2 bags 10/11				6 burs 0 nuts

Total 1040 add. checked

					Date or dates pollinated	No. of clusters at 1st pollination	No. of Nuts	
1	H	-R32T1	H	Pollinated - selfed R32T1	6/11	29	0	
2	H	-R32T1	H	R32T3	6/11	33	0	
3	H	-R32T1	Oz	REpT3	6/11	48	8	
4	H	-R32T1		emasculated not pollinated		17	0	
5	O	-REpT3	P	RZeT2	6/18,20	125	4	
6	P	-RZeT2	O	REpT3	6/21,23	162	0	Wet and cold season
7	S8.J	-R16T1	^{m-38?} CJ	R9T10	6/23,28	67	4	+1 nut weeviled
8	E	-R13AT6	H	R32T3	6/20,23	31	3	1 weeviled
9	E	-R13AT3	C	R11T14	6/28,30	82	63	Almost all poor, not well filled, if at all.
10	E	-R13AT3	S	R2T16	6/24,28,30	45	36	
11	¹²⁷ JA	-R5T8	S8.J	R16T1	6/23,28,30	33	9	
12	¹²⁵ JA	-R5T8	J:JA x C	R20T11	6/24,28,30	40	19	
13	EC	-R19T12	S8.J	R16T1	6/21,23,29	14	9	
14	E	-R13AT7	J	R7T5	6/24,28,30	31	25	
15	S8.unk	-R11T8		selfing bags	Put on: 6/15	?	0	40 bags
16	S8.unk	-R11T8	EC	R28T8	6/24,28,30	66	13	
17	J	-R7T7		selfing bags		?	0	5 bags
18	S8.C	-R3AT44	JA.unk	R51T31	6/30,7/2,4	51	44	
19	CA	-R7T11 <small>Gft. R60T41</small>	JA.unk	R2AT35	6/29,7/1	12	3	
20	C.JA	-R8T6	JA.unk	R2AT35	7/1,3,5	42	5	Grafted 58 branches on to 59 branches on 6/18 all failed
21	S	-R3T8	Aln	RBT3	6/30,7/2,4	9	0	
22	C.JA?	-R3AT30	C.JA	R62T43 <small>Gft. R60T41</small>	7/6,8	10	0	
23	JA.unk	-R2AT35	C.JA	R8T6	6/29,7/1,3	19	17	Squirrels got at nuts. 1 or 2 weeviled 2+ dried out some
24	C.JA	-R61T48	JA.unk	R51T31	7/4,6	51	60	Grafted 58 branches as in 3+ weeviled #20
25	E	-R13AT6	P	RZeT2	6/20,23	84	0	
26	E	-R13AT6	O	REpT3	6/20,23	72	1	
27	C.JA	-R62T43	JA.unk	^{HH} R4T7	6/30,7/2,4	13	0	
28	JA.unk	-R51T31	JA.unk	^{HH} R4T7	7/2,4	16	3	1 weeviled 2 not filled well
29	^{11-43 Smith & Folk} JA.unk	-R10T14 <small>sib cross</small>	J.JA	RYT43	7/2,4,7	8	4	Smith & Folk

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1995
2008
2010
2016

30	SB.A	- R9T6	♀ J ^{m-35?}	R9T10	6/23,25,28	28	14	
31	C	- R8T7	B. Mir. spr selfing bags		on 6/18	?	0	10 bags not included in Totals
Counted ♀s on 9 branches, not bagged 6/18						(48)	(68)	
32	C	- R8T7	EC	R28T11	6/24,28,30	41	0	
33	C.JA	- R5T13	C.JA?	R3AT30	7/5,8	35	26	3 weeviled
34	C	- R1T9	A	Rox #4	7/1,3	36	0	
35	C	- R1T15	A	Rox #1	7/1,3	26	7	
36	C	- R1T15	A	Rox #4	7/1,3	23	7	
37	C	- R11T14	A	Rox #4	6/29,7/1	93	6	1 weeviled 1 not filled
38	J	- R7T7	J	R7T7	6/24,29	9+	0	
39	J	- R7T7	J	R7T5	6/24,29	11	21	
40	SB.A	- R9T8	♀ J ^{m-35?}	R9T10	6/26,28,30	?	22	5 bags
41	J	- R7T7	S	R2T16	6/24,29	16+	6	
42	J	- R7T7	emasculated & bagged			?	0	3 bags
43	E	- R13AT7	Aln	RβT3	6/28	15	0	
44	E	- R13AT6	Aln	RβT3	6/28	21	1	
45	C	- R11T14	Hobson, G.A. PI# 3666	Mary Woodward Bristol	6/29,30,7/2	78	6	
46	C	- R1T9	A	Rox #1	7/1,3	27	1	
47	As	- N.W. Spr.	C	R11T14	7/2,4	24	0	
48	As	- "	Aln	RβT3	7/2,4	98	0	
49	As	- "	S	R3T8	7/2,4	61	0	
50	C.JA	- R5T13	JA unk	R2AT35	7/3,5	31	12	3 not well filled
51	C.JA	- R5T13	C.JA	R62T43	7/3,5,8	29	22	
52	C.JA	- R61T48	C.JA?	R3AT30	7/6,8	18	29	
53	C.JA	- R8T6	selfing bags			?	0	10 bags
54	C	- R11T14	emasculated, not pollinated			?	0	7 "
55	J	- R2AT41	A	Mary Woodward Bristol	9/30,7/24	?	0	4 "
56	E	- R13AT6	Pollen bag ♀s			?	0	7 "
57	E	- R13AT6	emasculated, not pollinated			?	0	1 "

Am. Bristol (Mary Woodward - see correspondence) collected on 6/25/59 and on 6/29/59
Am. Roxbury collected on 6/25/59 and on 6/30/59 (see 1958 for code #s)
#1 East end opp. pole into Gay's house
#4 West - tree past intersection

Effect of Male Parent on Nut Size

♀	♂	# nuts	Total weight	Weight/nut	Ave. of Open Poll. Parents	Comments
						Only split nuts sprouted by 12/1/59
	R32T1	OP	35	138	3.94	
	R32T1 x REpT3	8	20	2.50	2.66	Sprouted "
	REpT3	OP	22	30.5	1.39	Sprouted "
	R13AT3	OP	35	253.5	7.24	
	R13AT3	R2T16	33	125	3.79	4.01 Threw out 3 nuts incl. 1 good one.
	R2T16	OP	9	7	.78	
	R19T12	OP	20	214	10.70	
	R19T12	R16T1	9	96	10.67	8.06
	R16T1	OP	20	108.5	5.42	
	REpT3	OP	22	30.5	1.39	Sprouted by 12/1/59
	REpT3	RZcT2	4	4	1.00	1.11 Sprouted "
	RZcT2	OP	30	25	.83	Sprouted "
	R13AT7	OP	30	468	15.60	
	R13AT7	R7T5	25	246	9.84	
	R7T5	OP	-	-	-	Extrapolated nut/nut is 4.08

of

1	H	R32 T1	H	R15 T6	6/11	129	67
2	H	R32 T1	S	R2 T16	6/16	24	0
3	S	R3 T8	H	R32 T1	6/25	14	1
4	H	R32 T1	O	RGam T3	6/13	136	41
5	O	RGam T3	H	R32 T1	6/21,25	122	13
6	H	R15 T6	H	R32 T1	6/23	22	1
7	H	R15 T6	J	R7 T7	6/23	25	7
8	J	R7 T7	H	R15 T6	6/26	53	34
9	H	R32 T1	P	REp T2	6/11	136	1
10	P	REp T2	H	R32 T1	6/21,25	74	0
11	H	R32 T1	J	R32 T1 Ear = J	6/13	112	3
12	P	RZe T2	Aln	RBT3	6/23	112	0
13	P	RZe T2	P	REp T4	6/21,27	150	0
14	P	REp T4	O	RAlp T2	6/21	249	14
15	O	RAlp T2	P	REp T4	6/21	135	13
16	P	RDe T2	J	RDe T2 Ear J	6/21	177	9
17	J	RDe T2	P	RDe T2	6/23	24	6
18	P	RDe T2	S	R8 T4	6/21	125	0
19	S	R8 T4	P	RDe T2	6/21,27	34	4
20	P	RDe T2	H	R32 T1	6/20,25	60	2
21	O	RGa T3	Aln	RBT3	6/25,26	203	10
22	O	RAl T2	O	RGa T3	6/21	208	24
23	O	RAl T2	S	R3 T8	6/21	86	16
24	S	R3 T8	O	RAl T2	6/26,7/4	15	0
25	O	RAl T2	J	RAl T2 Early J	6/21	114	31
26	J	RAl T2	O	RAl T2	6/23	25	13
27	J	R7 T7	O	RGa T3	6/26	38	29
28	J	R7 T7	H	R32 T1	6/23	10	3
29	J	R7 T7	J	R7 T5	6/26	21	48

30	-	-	-	-	-	-	-
31	S	R2 T16	Aln	RBT3	6/25,7/4	4	0
32	O	RGa T3	Ash	West Spr	6/29	15	5
33	H	R32 T1	J	Essex	6/11	47	0
34	H	R32 T1	A	Rox	6/11	47	0
35	O	RGa T3	A	Rox #1	6/26	71	10
36	J	RGa T3 Early J	J	R13 T2	6/23	13	22
37	O	RGa T3	(IXE)	m 82	6/28	40	8
38	J	R13 T2	J	R7 T7	7/1	6	11
39	H	R15 T6	Aln	RBT3	6/26	37	1
40	H	R15 T6	A	Rox #1	6/26	16	0
41	H	R15 T6	Mis France J & E	R3 T2	6/26	24	7
42	J	R7 T7	P	REp T4	6/26	22	12
43	J	R7 T7	Aln	RBT3	6/26	23	0
44	J	R7 T7	J	R13 T2	6/26	21	28
45	J	R7 T5	S	R3 T8	6/26	32	15
46	J	R7 T5	J	R13 T2	6/26	10	9
47	A	Rox #3	S	R3 T8	7/1	22	33
48	S	R3 T8	A	Rox #3	6/26	7	0
49	S	R2 T16	S	R3 T8	6/26	4	0
50	O	RGa T3	C	R1 T6	6/26	151	81
51	C	R1 T6	O	RGa T3	7/3	19	1
52	Aln	RBT3	C	R1 T15	7/4	35	0
53	C	R1 T15	Aln	RBT3	7/5	32	0
54	J	R7 T5	Self	4 bags			0
55	Aln	RBT3	O	RAl T2	7/4	70	14
56	Aln	RBT3	P	RZe T2	7/4	50	1
57	Aln	RBT3	S	R2 T16	7/4	59	0
58	Aln	RBT3	H	R15 T6	7/6	55	0

59	A	Rox #1	H	R15 T6	7/1	~27	2	
60	E	R13AT3	P	RDeT2	7/2	28	1	
61	E	R13AT7	Ash	West Spr	6/29	43	0	
62	E	R13AT3	A	Rox #1	7/2	24	25	
63	E	R13AT7	A	R17T7	6/29	41	35	
64	A	R17T7	J.E	^{V84} M82	7/4	17	0	
65	A	Rox #4 ^{west}	Aln	R ^B T3	7/1	~15	0	
66	A	Rox #2	P	RDeT2	7/1	9	0	
67	A	Rox #1	O	RGaT3	7/1	18	9	
68	A	Rox #3	Ash	West Spr.	7/1	28	12	
69	C	R1T6	P	RDeT2	7/3	23	0	
70	C	R1T15	C	R1T6	7/5	28	11	
71								
72	C	R1T15	Ash	^{Spr Lot} R26T14	7/5	23	0	
73	J	R14T8	P	REpT2	7/5	18	0	
74	E	R13AT7	E	^{GFE V84} M82	6/29	16	5	
75	E	R13AT3	H	R32T1	7/3	18	1	
76	A	R17T7	Ash	^{Spr Lot} R26T14	7/6	5	0	
77	C	R1T6	C	R1T15	7/3	16	19	
78	Ash	W. Spr.	H	R32T1	7/6	108	11	
79	P	REpT4	Self	3 bags	9/21/60		0	
80	Ash	^{Spr Lot} R26T14	C	R1T15	7/7, 11	126	1	
81	Ash	W. Spr.	J	R14T8	7/6	225	13	
82	Ash	N.W. Spr.	S	R2T16	7/7, 11	~30	0	
83	Ash	N.W. Spr.	O	R11T2	7/8	~70	21	
84	Ash	N.W. Spr.	P	REpT2	7/8	57	12	
85	Ash	N.W. Spr.	Aln	R ^B T3	7/7, 11	74	17	
86	A	Rox #1	C	R1T6	7/1	4	6	
87	E	R13AT7	J	R13T2	6/29	6	14	

88	A	Rox #3	C	R1T6	7/1	11	14	
89	J	R13T2	P	RDeT2	7/1	7	0	
90	E	R13AT3	O	R11T2	7/2	21	0	
91	C	R1T6	Ash	West Spr.	7/3	10	0	
92	C	R1T15	A	Rox #3	7/5	17	24	
93	J	R14T8	C	R1T15	7/5	20	29	
94	CJA	R62T43	CJA?	R3AT30	7/7	7	3	
95	CJA?	R3AT30	CJA	R62T43	7/7, 9	70	15	
96	C	R1T9	S	R8T4	7/6	21	0	
97	C	R1T9	J	^{GFE Nam} R2AT41	7/6	15	1	
98	P	RDeT2	Self	4 bags	9/21/60		0	
99	Ash	N.W. Spr.	Ash	^{Spr Lot} R26T14	7/7, 11	75	0	
100	A	R17T7	Self	3 ^{7/25} 1 bag 9/20			0	
101	O	R11T2	Self	2 bag ^{7/8} 3 bag 9/20			0	
102	O	R11T2	Emas. ♀ not Poll	1 bag	9/20		0	
103	RZeta T2	Self	Early July	0 nuts		3	0	
104	R ^B T3	"	"	"		1	0	
105								
106	R17T7	"	"	"		1	0	
107	R26T14	"	"	"	7/29	3	0	
108	N.W. Spring	"	"	"		2	0	
109	Rox #3	"	"	"		3	0	
110	Rox #2	"	"	"		3	0	
111								
112	RGaT3	"	"	"	9/23 7/13 10/14	3 2 1	0	
113	R15T6	"	"	"	7/13, 14 9/13	3 4	0	
114	R7T7	"	"	"	7/18	1	0	
115	R14T8	"	"	"	7/25 9/28	1 2	0	
116	R1T6	"	"	"	7/25	1	0	

117	REp T2		Self		7/11	4	0	
118	R13 T2		"			2	1	(nut small & split)
119	R13AT7		"		9/26	2	0	
120	J	R14 T8	"			3	5	
121	C	R1 T9	"			4	2	
122	C	R1 T15	"		10/1	4	1	
123	S	R2 T16	"		10/6	2	0	
124	S	R3 T8	"		10/6	1	0	
125	Ash	W Spr	"		10/14	1	0	

24 nuts

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59

1995

2008

2010

2015

						# ♀ clusters	# nuts	Comments			WRPL		WRPL			
1	N	R32 T1	Ash	W. Spr.	6/20	~90	1	stored pollen 7/4/60	30	CS-CS	WRPL R15 T5	CS-CS	WRPL R14 T1	7/5	14	0
2	H	R32 T1	P	RZe T2	6/20	89	0	" " 6/16/60	31	CS-CS	WRPL R15 T10	CS-CS	WRPL R15 T5	7/5	4	4
3	H	R32 T1	S	R3 T8	6/20	87	3	" " 7/4/60	32	ExC	R18 T4	EC	R18 T2	7/5	8	0
4	H	R32 T1	A	Rox # 3	6/20	93	2	" " 7/3/60	33	S	R2 T16	O	REp T3	7/5	20	0
5	N	R32 T1	H	R32 T1	6/20	90	3	" " 6/10/60	34	A	Rox # 5	J	Cheshire	7/7	36	0
6	H	R32 T1	H	R32 T3	6/20	91	40		35	A	Rox # 4	S	R3 T8	7/7	63	0
7	P	RDe T2	H	R32 T1	6/28	241	11	stored pollen 6/5/60	36	A	Rox # 4	J	Cheshire	7/7	12	0
8	P	RDe T2	P	REp T2	6/28	178	51		37	A	Rox # 5	S	R3 T8	7/7	38	3
9	P	REp T2	C	R1 T15	6/28	185	1	Rated 1st month of storage stored pollen 7/4/60	38	A	Rox # 3	J	Cheshire	7/7	24	0
10	P	REp T2	A	Rox # 1	6/28	71	1	" " 7/3/60	39	A	Rox # 2	P	RDe T4	7/7	15	0
11	P	REp T2	P	RDe T2	6/28	93	11	*	40	A	Rox # 6	J	Cheshire	7/7	7	1
12	P	RDe T4	S	R3 T8	6/28	62	6	" " 7/4/60	41	A	Rox # 1	P	REp T4	7/7	110	2
13	P	RDe T4	P	REp T4	6/28	17	0	*	42	A	Rox # 1	J	Cheshire	7/7	125	0
14	P	REp T4	Ash	W Spr	6/28	118	21	" " 7/4/60	43	A	Rox # 1	A	Rox # 4	7/7	70	0
15	P	REp T4	Aln	RBT3	6/28	164	15	" " 7/4/60	44	J	Cheshire	A	Rox # 4	7/7	15	2
16	P	REp T4	P	RDe T4	6/28	58	16		45	J	Cheshire	A	Rox # 2	7/7	32	3
17	P	REp T4	C	R1 T15	6/28	67	1	" " 7/4/60	46	J	Cheshire	A	Rox # 1	7/7	48	13
18	O	REp T3	C	^{Kel/sey} R8 T7	6/30	475	252		47	J	Cheshire	A	Rox # 6	7/7	26	3
19	O	REp T3	O	RGam T3	6/30	117	66		48	CS-C	^{HH} R16 T25	CS-C	^{HH} R15 T26	7/8	23	49
20	S8-J	R16 T1	C	^{Kel/sey} R8 T7	6/30	22	0		49	CS-C	^{HH} R15 T26	CS-C	^{HH} R15 T29	7/8	10	8
21	S8-J	R16 T1	C	R8 T7	7/5	40	30	squirrels took some nuts	50	CS-C	^{HH} R15 T29	CS-C	^{HH} R16 T25	7/8	19	50
22	S8-J	R16 T1	C-JA	R5 T13	7/6	31	30		51	CS-C	^{HH} R15 T30	CS-C	^{HH} R16 T25	7/8	11	17
23	S8-J	R16 T1	J	R13 T2	7/5	15	3		52	CS-C	^{HH} R17 T37	CS-C	^{HH} R15 T30	7/8	9	0
24	CS-CS	^{WL} R24 T8	CS-CS	^{WL} R24 T9	7/5	17	0		53	CS-CS	R23 T12	C	R1 T12	7/8	26	22
25	CS-CS	^{WL} R24 T9	CS-CS	^{WL} R23 T12	7/5	22	48		54	CS-CS	R23 T12	CS	R2 T11	7/8	18	15
26	CS	HHR2 T2	C	R8 T7	7/5	40	20		55	C	R8 T7	C-JA	R5 T13	7/10	35	25
27	CS-C	HHR17 T35	CS-C	HHR16 T35	7/5	22	15		56	C	R8 T7	S8-J	R16 T1	7/10	40	20
28	CS-C	HHR16 T35	CS-C	HHR17 T35	7/5	14	15		57	J:JA J:JA	R6 T9	J:JA	R7 T9	7/10	10	2
29	CS-CS	^{WRPL} R14 T1	C	R1 T12	7/5	20	8		58	J:JA J:JA	R6 T9	J	R13 T2	7/10	16	3

squirrels took some nuts from each pollination

squirrels took some nuts

* Squirrels took some nuts

38
46
50
54
58

61

70
89

800

59	J	R2AT41	C	R1T15	7/10	12	14	
60	J	R2AT41	A	GRAFT OF Sci. Cl. PPs	7/11	5	3	2 not well filled
61	EC	R28T10	CS ^{m-38}	R9T10	7/10	18	0	
62	AC ^{sb}	R10T10	CS	R9T10	7/11	48	14	
63	AC	R10T12	A	R14T9	7/11	38	43	
64	AC ^{sb}	R10T10	ACxC	R9T12	7/11	36	11	
65	AC	R10T12	C	R1T15	7/11	44	65	
66	AC ^{sb}	R10T10	AC.C	NN R4T2	7/11	39	17	
67	AC.C ²	R9T12	C	R1T15	7/10	32	44	
68	AC	R10T12	JA	OFF R4T4 R4T10	7/11	45	64	
69	C	R8T7	C.JA	RIA T33	7/10	27	6	Contaminated by two nuts of #85: 8 nuts labeled
70	CS ^{m-56}	R9T10	AC.C	R9T12	7/10	65	26	
71	CS	R9T10	AC.C	NNR4T2	7/10	49	50	
72	AC.C ⁵	R9T12	AC.C	NNR4T2	7/10	23	34	
73	JA.C	RAT5	C	R1T15	7/10	9	4	
74	S	R3T8	C	R1T15	7/11	8	2	
75	AC	R10T12	CA	7-35 R8T7	7/11	25	37	
76	AC	R10T10	CA	Triploid R4T5	7/11	35	0	
77	S8.C	R3AT44	CJA	RIA T33	7/11	38	13	Hurricane Ester also blew down some nut prematurely.
78	S8.C	R3AT44	CJA	R62 T43	7/11	85	80	
79	S8.C	R3AT44	C.JA	R61 T48	7/11	84	120	
80	CS	R2T11	C.CS	NN R17T35	7/13	76	66	
81	CS	R2T11	S	R2T16	7/13	96	7	
82	CS	R2T11	C	R1T12	7/13	81	123	
83	CS	R2T11	CS.CS	R23 T12	7/13	42	58	
84	CS	R2T11	CS.CS	R24 T8	7/13	72	118	
85	C	R1T12	S	R2T16	7/13	33	0	
86	C	R1T12	A	Cc10 N.C.	7/13	38	23	
87	C	R1T12	C	R1T15	7/13	37	45	

88	C.JA	R62 T43	CJA	RIA T33	7/14	2	0	
89	C.JA	R5 T13	CJA	RIA T33	7/14	35	4	
90	C.JA	R5 T13	C.JA	R61 T48	7/14	13	14	
91	C.JA	R5 T13	C	R8 T7	7/18	24	38	
92	C.JA	R5 T13	S8.J	R16 T1	7/18	30	13	
93	C	R1T15	Ash	Spr. Lot R26 T14	7/18	49	0	
94	C	R1T15	C	R1T12	7/18	17	39	
95	C.JA	R61 T48	C.JA	R5 T13	7/18	9	14	
96	C.JA	R61 T48	C.S8	R3AT44	7/18	14	15	
97	JA	OFF R4T10 R12 T7	AC.C	R9 T12	7/18	24	23	
98	JA	OFF R4T10 R4 T4	CA	R11 T1	7/18	5	1	
99	C.JA	R61 T48	C.JA	R62 T43	7/19	28	65	
100	C.JA	R3AT30	C.JA	R5 T13	7/21	22	35	
101	C.JA	R3AT30	JA.OP	R51 T31	7/21	24	23	
102	C	R1T15	S	R3 T8	7/18	13	0	
103	C.JA	R3AT30	S8.C	R3AT44	7/21	22	3	

✓ 5084 2286 ✓

Roxbury Trees

- #1 same as in 1958 East-most tree. opp. next telephone pole to the east of pole
- #2 " " " " Diagonally opp. to the east of pole
- #3 " " " " " " " " west " " "
- #4 " " " " " " " " " " "
- #5 Just west of #4
- #6 West of #1

			No. ♀ clusters	No. bags	No nuts
CS	R2T11	Self	45+	6	4
CS	R2T11	Emasc. not poll.	33+	3	0
	R10T8	Self	57 in 23 bags	28	4
H	R32T1	"		5	0
H	R32T1	Emasc. not poll.		6	2
	HHR17T37	Self		1	1
P	REpT2	"		2	0
P	REpT4	"		2	0
O	REpT3	"		4	0
O	REpT3	Emasc. not poll		2	0
S8-J	R16T1	Self		7	0
S8-J	R16T1	Emasc. not poll.		2	0
	WL R24T9	Self	4+	2	0
	HH R2T2	"		1	0
	HH R17T35	"		1	0
	WRPL R14T1	"	20	2	0
A	Rox 5	"		2	0
A	Rox 4	"		1	0
A	Rox 1	Emasc. not Poll	~30	3	0
J	sheriff	Self	17	6	0
J	"	Emasc. not Poll.		1	0
	HHR15T30	Self		1	0
	HHR16T35	Self		1	0
	HHR15T29	Self		1	0
	HHR16T25	Self		1	0
	HHR17T35	"		1	0
CS-CS	WL R23T12	"		2	0
CS-CS	WL R23T12	Emasc. not poll.	6	1	0
C	R8T7	Self		10	0

C	R8T7	Emasc. not poll		2	0
A ^{S8}	R10T10	(♂ sterile) Emasc. not poll.	15+	2	0
AC	R10T12	" " " " "	5+	1	0
AC-C	R9T12	Self	4+	3	0
AC-C	R9T12	Emasc. not poll	4	1	0
JC	R9T10	Self	17+	6	2
S8-C	R3AT44	"	21++	8	0
C	R1T12	"		3	0
C	R1T12	Emasc not poll	7	2	0
C-JA	R5T13	" " " "	17	6	0
C-JA	R5T13	Self		1	0
C	R1T15	"		2	0
C	R1T15	Emasc not poll	17	8	0
JA	R4T4	Self		5	0
JA	R4T4	Emasc not poll		1	0
C-JA	R3AT30	Self	10+	7	0
C-JA	R6IT48	"	8	5	0
J	R14T8	"		10	0
JA	R14T1	Self		[3]	top broken
JA	R14T1	Emasc not poll		[34]	by Ester

47 entries

178 bags 13 nuts

					# ♀ clusters	# nuts	Comments									
1	S8-J	R16T1	J	RR RIT2	7/2	10	10		30	CJA	R3AT24	2 bags	emasc. not poll.		0	
2	S8-J	R16T1	S8-C	R3AT44	7/2	11	0		31	CJA	^{Gft} R62T43	JA-C	^{Gft} R51T31	7/10	4	1
3	S8-J	R16T1	CJA	R1AT33	7/2	10	0		32	CJA	R7T8	CJA	R5T13	7/13		8
4	S8-J	R16T1	CJA	R59T39	7/2	6	6		33	CJA	R7T8	CJA	R62T43	7/13		3
5	J	^{Ham J} R2AT41	A	^{Gft. v. 86} Sci. Cliff	7/6	10	6	1 split	34	CJA?	R3AT30	CJA	R59T39	7/13	5	three not too well filled
6	S8-C	R3AT44	S8-J	R16T1	7/6	9	11		35	CJA	R3AT30	CJA	R1AT33	7/13		1
7	S8-C	R3AT44	CJA	R5T13	7/6	8*	11	*1 broke off 7/10	36	CJA	R3AT30	C	R8T7	7/13		0
8	S8-C	R3AT44	CJA	R59T39	7/6	*	8	Hooke 7/10	37	CJA	R7T8	Self				0
9	J-JA	R6T9	J-JA	R7T9	7/6	2	2	AHG pollinated, then bagged - did 12 bags	38	CJA	R3AT30	CJA	R61T48	7/13	3	two not too well filled
10	S8-C	R3AT44	2 bags	4 ♀'s	7/6	0	0	AHG wk too early 6/30 7/6 emasc. not pollinated	39	JA	^{R4T4} (R4T10)	CJA	R3AT24	7/13		1
11	C	^{Kelsey} R8T7	S8-C	R3AT44	7/6	6	6	3 split	40	JA	R4T10	A	Sci Cliffs	7/13		0
12	C	R8T7	CJA	R61T48	7/6	5	5	1 split	41	JA	R4T10	C	R1T9	7/13		2
13	C	R8T7	CJA	R62T43	7/6	27	27	5 split	42	CJA	^{Gft} R61T48	CJA?	R1AT33	7/13		2
14	CJA?	R1AT33	S8-C	R3ATT44	7/10	0	0		43	CJA	^{Gft} R61T48	C	R8T7	7/13		9
15	CJA?	R1AT33	S8-C	R3ATT44	7/10	1	1		44	CJA	R61T48	CJA	R7T8	7/13		7
16	CJA?	R1AT33	CJA	R5T13	7/10	5	5		45	JA	^{R4T4} (R4T10)	emasc. not poll.			3+	0
17	CJA	R5T13	C	^{AHG} Wallingford	7/10	8	8	two not well filled	46	C ^{hyb.}	R8T7	emasc. not poll.			4+	0
18	CJA	R5T13	S8-C	R3AT44	7/10	4	4		47	CJA	R61T48	emasc. not poll.			(8+)	0
19	CJA	R5T13	JA-C	R51T31	7/10	21	21									
20	CJA	R5T13	CJA	R1AT33	7/10	0	0									
21	CJA	R5T13	emasc. not pollinated	♀ counted	7/10	0	0									
22	CJA	R3AT24	CJA	R7T8	7/10	7	7									
23	CJA	R3AT24	JA	^{Gft} R4T10	7/10	0	0									
24	CJA	^{Gft} R59T39	CJA	R5T13	7/10	3	3									
25	CJA	^{Gft} R59T39	CJA	R62T43	7/10	9	9									
26	CJA	^{Gft} R59T39	CJA	R51T31	7/10	3	3	1 cracked								
27	CJA	^{Gft} R59T39	S8-C	R3AT44	7/10	0	0									
28	CJA	^{Gft} R59T39	CJA	R61T48	7/10	5	5									
29	CJA	^{Gft} R59T39	Self	3 bags		0	0									

38
46
50
54
58
61

70
89

Poll #	Pedigree ♀	Location	Pedigree ♂	Location	Date pollinated	# ♀ clusters pollinated	# nuts harvested	Comments
1	S8.C	C3 R3AT44	R2	RR R1T2	7/9		2	
2	S8.C	"		RR C13 R6T5	7/9		25	
3	S8.C	"		RR R2T4	7/9		18	
4	S8.C	"		RR R1T5	7/9		8	
5	S8.C	"		C8 R3AT30	7/9		25	
6	EC	'58 seedling Farm R13T10	C	R38T3	7/9	5	2	} male sterile ← a few anthers ← on catkins of these two trees.
7	EC	Farm R13T23	C	R38T3	7/9	29	34	
8	EC	Farm R13T24	C	R38T3	7/9	4	7	
9	EC	Farm R14T27	C	R38T3	7/9	2	0	
10	CJA	C2 R5T13		C13 RRR6T5	7/10		10	
11	CJA	"		RR R2T4	7/10	21	27	
12	CJA	"		C6 R51T31	7/10	21	5	
13	CJA	"		C8 R3AT30	7/10	19	26	
14	S8.C	C3 R3AT44	emasculated	not poll.	7/9	8	0	

189 nuts (92 bags)

38
46
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70
89
1495
2008
2010
2016

Bill #	Sex	Location	Sex	Location	Date	# ♀ clusters Poll	# nuts harvest	Comments
1	CJA	^{C14} R3AT24	CJA-A	⁶⁷⁻⁵² WdLR11T8	7/6	14 bags	17	
2	CJA	R3AT24	CJA-A	WdLR12T10	7/6	14 bags	24	
3	CJA	R3AT24	emasc.	not poll		18/4	0	
4	S8C	^{C3} R3AT44	CJA-A	WdLR11T8		16	60	
5	S8C	R3AT44	CJA-A	WdLR12T10		13	27	
6	S8C	R3AT44	CJA	^{C14} R3AT24		?	0	
7	S8C	R3AT44	emasc.	not poll		14	0	
8	CJA	^{C4} R61748	"	" "		133	1	

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46
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61

70
89
1995
2008
2010
2015

1966

1966

1-3 18-61 18-61 28+♀ Poll harv. 10-3-66

OXC F₁ OXC F₁ 10¹ bags 2 nuts

Jaynes

1970

Poll #	♀ Ped	Loc.	♂ Ped	Loc	Date poll	qs / bags	# nuts harv.
1	CS-C	HHR16725	Chyb	Eaton	7/2	97/22	110
2	CS-CS	R23T12 <small>Broken Arrow</small>	Chyb	Eaton	7/2	83/12	52
3	CJA	C2 R5T13	CA-A	Clapper	7/7	85/37	14
4	CJA	C9 R1A733	CA-A	Clapper	7/7	~50/32	3

38
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70
89

1995
2008
2010
2015

#	ped	Location	ped	Location	data poll.	♀s/bags	# nuts
1	S9.C	C3 R3A744	CA.A	Clapper		10	124

1972

70	CJA	sleeping Giant	CA.A	Clapper			77
2	CJA	C9	CA.A	Clapper			> <i>lost many ♀s in bags</i>

1987

Scientists' Cliffs x WLR 18T6 #32-51
 A x {C x [(J x E) x A]}
 RIT15 x Hammond '86 gft. R4T4
 Farm West Lot, plantation
 seedlings to Whitney Center of LA house, on Livingston St nr. Linden

#	♀	location	♂	location	where planted	# burrs	# nuts
1	A	RIT7 farm	C	R37T7 plant. PI#104061	farm, plantation	6	5 were in one burr
2	A	RIT8 farm	C	7284 farm	"	2	3 1
3	A	RIT6 farm	C	7275 road, farm	"	1	1 1
4	A	RIT3 farm	C	7275 road, farm	"	5	4 2
5	A	RIT5 farm	C	7275 road, farm	"	1	2 0
6	A	RIT6 farm	C	7284 road, farm	"	1	2 1
7	A	RIT8 farm	C	7275 road, farm	"	3	4 1
8	A	RIT8 farm	C	7284 road, farm	" 2	4	3 3
9	A	RIT10 farm	C	7284 road, farm	"	2	2 1
10	A	RIT10 farm	C	7275 road, farm	"	2	2 0
11	A	RIT7 farm	C	7275 road, farm	"	3	3 1
12	A	RIT15 farm	C	7275 road, farm	"	5	1 0
13	A	RIT10 farm	C	R37T7 plant.	" 1	1	2 2 89
→ 14	A	R2T5 farm	JA	R4T3 plant. Hammond '86	5	5	5 5
15	A	R2T8 farm	JA	R4T3 plant. Hammond '86	1	5	1 1
16	A	R2T18 farm	JA	RBT10 plant.	3 18	13	23 21
17	A	R2T1 farm	JA	RBT10 plant.	2	2	2 2
18	A	R2T8 farm	CS x CS	'Little Giant' Humphrey Hill	by rock 1, to Windsor	6	1 1
19	A	R2T18 farm	CS x CS	'Little Giant' Humphrey Hill	5, to Windsor	14	5 5
20	A	R2T1 farm	CS x CS	'Little Giant' Humphrey Hill	2, to Windsor	2	3 2
21	A	R2T5 farm	CS x CS	'Little Giant' Humphrey Hill	1, to Windsor	4	1 1
22	A	hybrid Rocky Hill ct #5 o.p. R2T6 grafted, farm	JA	RBT10 plant. #238-31	best form of out all 14-17! all to farm, orchard plantation	9	9 9
23	A	R3T11 farm	J	Cheshire, Ct	1	4	1 1
24	A	R3T17 farm	J, pollen	Cheshire, Ct	1 5	7	7 6
25	A	R3T1 farm	J	Cheshire, Ct	1	2	1 1
26	A	R3T4 farm	J	Cheshire, Ct	1 5	5	7 6
27	A	R3T16 farm	J, pollen	Cheshire, Ct	1	4	2 1
28	A	R3T17 farm	J	Cheshire, Ct	13	27	13 13
29	A	R3T16 farm	J	Cheshire, Ct	1	10	2 1

#	♀	Location	♂	Location	where planted farm-plantation	# of burrs	# of nuts	#	♀	location	→	location	where planted w. Tenn.	# burrs	# nuts
30	A	R3T6 farm	J	Cheshire, Ct	3	3	3 3	1	Dwarf 1	farm, hill ^N	o.p.	Schlarbaum	u. Tenn.		739
31	Axc	R10T12, plant. ^{LI #58-35}	A (Mich.)	farm, dense planting NW corner Rocky Hill o.p. ⁵	34	15	36 34	2	Dwarf 1	farm, hill ^N	o.p.	Schlarbaum		2/burr- 4/burr-1	14
32	Axc	R10T12, plant.	A	farm, HN R4T3 Rocky Hill o.p. ⁵	3	1	3 3	3	Dwarf 2	farm, hill	o.p.	Schlarbaum			39
33	Axc	R10T12, plant.	A	farm, HN R4T6 Rocky Hill o.p. ⁵	2	2	2 2	4	Dwarf 3	farm, hill	o.p.	Schlarbaum	[hardly any weavils]		333
34	Axc	R10T12, plant.	A	farm, HN R4T5 Rocky Hill o.p. ⁵	4	6	6 4	5	Dwarf 3	farm, hill	o.p.	"			7
35	Axc	R10T12, plant.	A	farm, HN R1T11 Rocky Hill o.p. ⁵	2	1	2 2	6	Dwarf 4	farm, hill	o.p.	Schlarbaum			947
36	Axc	R10T12, plant.	A	farm, HN R2T6 Rocky Hill o.p. ⁵	2	1	2 2	7	Dwarf 4	farm, hill	o.p.	Schlarbaum		2/burr-6 1/burr-1	13
37	Axc	R10T12, plant.	A	farm, HN R3T1 Rocky Hill o.p. ⁵	3	1	3 3	8	^{'Little Giant'} Dwarfest	farm, hill ^S	o.p.	Schlarbaum	kept 25, rest		390
38	Axc	R10T12, plant.	A	farm, HN R4T1 Rocky Hill o.p. ⁵	1	1	2 1	9	Dwarfest	farm, hill ^S	o.p.	Schlarbaum		2/burr-10 1/burr-3	23
39	Axc	R10T10, plant. ^{LI #05-35}	A	farm, HN R1T2 Rocky Hill o.p. ³		3	1 0	10	Seg.	R8T4 S.L.	Seg.	R2T16 S.L.	arboreta:		12
40	Axc	R10T10, plant. ^{LI #04-35}	A	farm, HN R4T1 Rocky Hill o.p. ³	4	4	4 4	11	Seg.	R8T4 S.L.	Seg.	R3T8 S.L.	Bartlett CT Bartlett, ME Kelly, NY		20
41	Axc	R10T10, plant.	A	farm, HN R4T3 Rocky Hill o.p. ⁵	1	3	1 1	12	Seg.	R2T16 S.L.	Seg.	R3T8 S.L.	Arizona, Nuss, Chote School		28
42	Axc	R10T10, plant.	A (Mich.)	NW corner tree farm, dense planting	15	76	15 15	13	J	R7T7 S.L.	J	Cheshire	H. Van Dusen, breeder D.M. Roberts, S. Eggenot, MA		20
43	CSXCS	Dwarfest - Farm ^{'Little Giant'}	A (Mich.)	NW corner tree farm, dense plant. 2 → Windsor			2	14	C	R38T6 W.L. ^{PT #104063} Mahogany #10315	C	R1T15 S.L.	Tiger Paw #8744 arboreta		40
notes: crosses 39-42 seedlings more vigorous than 31-38						263	204	15	C	R1T15 S.L.	C	R9T3 S.L.	Graves #37-53 arboreta		4
1-13 poor germination, severe foliar symptoms of some deficiency - do these need more alkaline soil?								16	A	R1T8 Farm (C.A)A		R13TI WRPL	Graves HN farm		34
								17	A	R1T8 Farm (C.A)A		R13TI WRPL	Graves Denis Soucy 17 Portland Rd Marlborough, CT		1
								18	A	R1T16 Farm (C.A)A		R13TI WRPL	Graves HN farm		12
								19	A	Sci Cliff, Farm (C.A)A		R13TI WRPL	Graves HN farm		1
								20	A	RH5 or R2T6 dwarf (C.A)A		R13TI WRPL	Graves Weigert Brookfield, CT		39
								21	A·Seg	R29T19 W.L. ^{#47-60}	A	Mich. NW farm	Windsor trees		12
								22	(C.A)A	Clapper 1	(C.A)A	Clapper 2		5	0
								23	A	9 trees, Wolcott o.p.					137
								24	Sativa o.p	type 031	} Prom Arif Soylu at. Uludağ University Bursa, Turkey wild native trees	one set to E.G. Kuhlman, Athens		36	
								25	"	type 018		GA, one set to HN farm		58	
								26	"	type 010				54	
								27	"	type 027				44	

#	♀	Location	♂	Location	Where Planted
1	A?	R2T10 dwarfs HN	J	R34T6, WL	to Peter Picone
2	A	R4T5, C field	'Graves' CA·A	R13T1, WRPL	J. Shaffer
3	J	Cheshire Church	J	R34T6, WL	
4	A	R4T12, C field	J	Cheshire Church	
5	E	BF-Sativa HN	'Graves' CA·A	R13T1, WRPL	to Cavellers
6	A?	R2T10 dwarfs HN	C	R9T3 'Tiger Paw'	
7	A	R4T5, C field	'Graves' CA·A	R13T1, WRPL	J. Shaffer
8	A	R4T12, C field	J	R34T6, WL	
9	A	R4T5, C field	'Graves' CA·A	R13T1, WRPL	J. Shaffer
10	A	R2T1, HN=RH#2 o.p.	'Graves' CA·A	R13T1, WRPL	Willard Correctional Inst., Somers CT Farm, C field - 1
11	A	R2T7, HN=RH#11 o.p.	J	R34T6, WL	Farm, C field
12	A	R4T3, HN=RH#5 o.p.	'Graves' CA·A	R13T1, WRPL	Willard Correctional Inst., Somers CT
13	A	R3T5, HN=RH#5 o.p.	C	R9T3 'Tiger Paw'	to UCT, Steve Braderick
14	A	R2T5, HN=RH#5 o.p.	J	R34T6, WL	Farm, C field
15	A	R4T5, HN=RH#5 o.p.	J	R34T6, WL	East Conn D. Neal
16	CS·CS	'Little Giant' DWARFEST	A	Mich. NW corner	to Windsor
17	A	R4T10, C field	J	R34T6, WL	
18	A	R4T7, C field	J	R34T6, WL	
19	A?	R2T10 dwarfs HN	'Graves' CA·A	R13T1, WRPL	to Peter Picone
20	A	Roxbury o.p.	o.p.		
21	C	58602 Stamford o.p.	(58602)		East Conn. D. Neal
22	H	small nuts I o.p.		From China	
23	H	large nuts II o.p.		Fujian prov. wild collected	Lincoln says these are not henryi

seedlings
Total

# nuts	#	♀	Location	♂	Location	Where Planted
2	1	A	RH ² R2T1 (Farm)	chink	R25T17 (plants)	Byron, GA
12 (shrivelled)	2	A	RH ¹¹ R2T7	"	"	"
9	8	A	RH ¹⁴ R3T8	"	"	"
3 normal 24 shrunken	4	A	RH ¹⁴ R4T8	"	"	"
5	5	A	RH ³ R3T10	"	"	"
0	0	A	RH ⁵ R3T6	A	Bennett, RI	Farm Vert. exp.
21	-	A	RH ⁵ R1T7	A	"	"
8	9	A	RH ¹⁴ R4T8	A	"	"
8	-	A	RH ⁵ R4T4	A	"	"
11	7	A	RH ⁵ R3T6	A	"	"
4	4	A	RH ²⁶ R1T12	A	"	"
4	1	A	RH ⁵ R3T4	A	"	"
80	40	A	RH ¹¹ R2T7	A	"	"
7	7	A	RH ⁵ R3T5	A	"	"
2	2	A	RH ³ R4T2	A	"	"
4	4	A	RH ² R2T1	A	"	"
10	9	A	RH ⁵ R2T3	A	"	"
5	4	A	RH ² R2T1	CAXA	'Graves' plant.	
4	3	A	RH ² R2T1	AC	R3T5 Farm #1-89	Farm, new hybrids
191		A	RH ² R2T1	Castanopsis delavayi pollen, Bruce; GA;	RI #58394	new hybrids
10	2	CAXA	'Clapper', Farm	A	Bennett, RI	Bennett, RI
11		CAXA	'Clapper', Farm	CAXA	'Graves' plant.	Gilowde, Manchester
6		A	RH ³ R1T2	C. d.	Bruce; Sav. GA	new hybrids
		A	RH ¹⁴ R4T8	C. d.	"	"
		A	RH ⁵ R1T7	C. d.	"	"
		A	RH ¹⁴ R3T8	CAXA	'Graves' R13T1	Willard Correctional Inst., Somers, CT
		A	RH ³ R3T2	CAXA	'Graves' R13T1	"

# nuts	# trees
3	3
2	2
3	3
3	3
1	1
7	7
4	4
9	9
1	1
2	2
2	2
3	3
2	2
5	5
31	31
42	42
3	3
10	10
1	1
36	36
36	30
2	2
1	1
3	3
1	1
2	2
212	

1995
2008
2010
2016

pollinated July 7, 8, 9 95°F+

#	♀	Location	♂	[none of BC1's very resistant]	where planted	(#duds) #nuts	seed planted 8-III #plants
1	A	RH R3T1 FARM	A♂XA	R3T14 #40-89	Windsor	4 (9)	54
2	A	R3T1 RH#3	pumXseg	R17T11 #12-61		3 (31)	0
3	A	R3T1 "	ozXseg	R29T14 #23-60	farm, nr. rock	8 (52)	5
4	A	R2T7 RH#11	pumXseg	R17T11 #12-61	"	3 (23)	1
5	A	R3T5 RH#5	pumXseg	R17T11 #12-61	"	2 (29)	2
6	A	R3T5 "	A♂XA	R3T14 #40-89	cybulski Prison	12 (38)	12
7	A	R3T5 "	ozark	RαT2	farm, nr. rock	2 (87)	2
8	A	R3T5 "	ozXpum	R2T4 #5-59	"	1 (42)	1
9	A	R3T2 RH#3	pumXseg	R17T11 #12-61	"	1 (9)	1
10	A	R3T2 "	A♂XA	R3T14 #40-89	Windsor	8 (14)	7
11	A	R1T3 "	A♂XA	R3T14 #40-89	Windsor	2 (4)	2
12	A	R3T1 RH#2	pumXaln	R17T10 #15-61	farm, nr. rock	3 (1)	3
13	A	R2T1 "	pumXseg	R17T11 #12-61	"	6 (20)	3
14	A	R3T6 RH#5	pumXaln	R17T10 #15-61	"	3 (36)	1
15	A	R3T8 RH#14	pumXaln	R17T10 #15-61	"	2 (18)	2
16	A	R4T2 RH#3	pumXaln	R17T10 #15-61	"	1 (45)	1
17	A	R4T2 "	pumXseg	R17T11 #12-61		2 (96)	0
18	A	R4T2 "	A♂XA	R3T14 #40-89		7 (17)	6
19	A	R4T2 "	ozXseg	R29T14 #23-60	Windsor	5 (50)	3
20	A	R3T6 RH#5	pumXseg	R17T11 #12-61	farm, nr. rock	1 (2)	1
21	A	R2T4 "	A♂XA	R3T14 #40-89	Windsor	2 (1)	1
22	A	R3T8 RH#14	A♂XA	R3T14 #40-89	Windsor	1 (1)	1
23	A	R3T8 "	pumXseg	R17T11 #12-61		1 (2)	0
24	A	R3T1 RH#3	ACXA	R2T9 #32-89	Windsor	1 (1)	1
25	A	R3T6 RH#5	A♂XA	R3T14 #40-89	Windsor	1 (2)	1
26	A	R2T4 "	ozark	RαT2	farm, nr. rock	4 (11)	3
27	A	R2T4 "	pumXseg	R17T11 #12-61	"	6 (51)	3
28	A	R2T4 "	pumXaln	R17T10 #15-61	"	4 (20)	3
29	A	RH-Sandy's house	A♂XA	RHX	From RH#3,5,14 → 38 BC's	90 (98)	2

"European" chestnuts from:

Caucas Biosphere Reserve
(half sent to S. Schlarbaum, TN)

U. Heiniger, Switzerland

"Big Mother" tree of Bazzigher

From RH #3, 5, 14 → 38 BCs

58 ching. hybrids → 32

#	# nuts	# trees
	80	13
	51	0

planted by rock at the farm

1994

#	♀	Location	♂	Location	where planted	(#duds) #nuts	# plants		
1	'Clapper'	Farm, center	'Graves'	R13T1	#37-53 warp plant. 53 one-farm Towell, Glastonbury	140(149)	135		
2	D3	hybrid, HH	DW	hybrid "dwarfest", HH	to Liu Liu, Chia	10(78)	road		
3	DW	hybrid "dwarfest" HH	D3	hybrid, HH	5-student 20; 9-Bethany	34(42)	rent		
4	J+	R4T8 HH	A	R2T9, RH-farm	14-Cavaliere, (Bethany) 19-Dada (MO)	6(39)			
5	J+	R4T8 HH	A	R1T7, RH-farm		12(44)			
6	J+	R4T8 HH	A	R3T1, RH-farm		6(27)			
7	J+	R4T8 HH	A	R3T5, RH-farm		6(33)			
8	J+	R4T8 HH	A	R4T3, RH-farm		5(27)			
9	A	R4T3 RH-farm	J+	R4T8 HH		20-Cavaliere, (Bethany)		64(104)	30(20)
10	A	R3T1 RH-farm	J+	R4T8 HH		15-Kahn (student)		25(138)	11
11	A	R3T5 RH-farm	J+	R4T8 HH		15-prison, new		46(201)	31
12	A	R2T9 RH-farm	J+	R4T8 HH	-Towell	32(291)	21		
13	A	R1T7 RH-farm	J+	R4T8 HH	4-farm	18(203)	6		
14	A	R3T1 RH-farm	oz. wd.	R25T17	#18-61 wL plant. 39-Lasdon	36(58)	36		
15	A	R1T4 RH-farm	oz. wd.	"	Lasdon	6(40)	6		
16	A	R3T4 "	"	"	NC	6(17)	6		
17	A	R2T4 "	"	"	NC	18(22)	18		
18	A	R3T5 "	"	"	Lasdon	22(72)	20		
19	A	R4T7 "	"	"	4-farm	45(148)	42		
20	A	R2T8 "	"	"	41-Lasdon	46(38)	46		
21	A	R4T3 "	oz-moll	R7T4	#50-60 spr. L, plant. pum.cren. R7T4	73(134)	70		
22	A	R2T9 "	"	"	3-farm UCT-19	20(62)	20		
23	pum.cren.	R7T14 spr.L	pum.cren.	R6T65 spr.L	#16-60 SIB? farm	1	1 died.		
24	A	R1T18 farm, center	'Graves'	R13T1	#37-53 warp plant. White Memorial-25	64(39)	64 BC2		
25	A	R1T7 RH-farm	AC	R3T5	#159, R1T7 x R3T7 farm center one farm	16(140)	28		
26	AC-A	R2T10 farm, center	AC-A	R2T9	#32-59 rib. one wiert, gyls Towell-25	29(52)	27		
27	A	Rocky Hill T24	A	o.p.		50			
28	A	" T10	A	o.p.		43			
29	A	" T12	A	o.p.		51	36-33%		

928 [104(2158)] 466%

1995

#	♀	Location	♂	Location	where planted	(#duds) #nuts	# plants
1	AC-A	NH farm R2T9	A	RH R1T10	#32-59 (ex R10T72)	(42)	5
2	AC-A	NH farm R2T9	A	RH R3T8	all dead	(205)	11
3	AC-A	NH farm R2T9	A-JA	NH R2T3	#14-59 (Hammond) farm NH R1T17-18, 19, 13 R2T9, 5, 11, R3T10, 4	(100)	11
4	AC-A	NH farm R2T10	AC-A	NH R2T9	(ex R10T12) R4T5 farm, behind "dense"	(34)	41 32
5	AC-A	NH farm R2T9	A	RH R2T9	all dead	(47)	6
6	AC-A	NH farm R2T10	A	RH R1T10	Litchfield Audubon	(43)	22 BC2
7	AC-A	NH farm R2T10	A	RH R3T8	end of RR-farm	(59)	25
8	AC-A	NH farm R3T12	AC-A	NH R2T9	DC1-F2 all died farm NH R1T17-18, 19	(41)	6
9	A	RH farm R1T10	A-JA	NH R2T3	#14-59 (Hammond) farm, by rock	(41)	13
10	A	RH farm R2T9	JA-J	HH R4T8	Lockwood (Hammond) farm, by rock	(13)	5
11	A	RH farm R3T8	A-JA	NH R1T17	(Smith) dead farm, by rock	(66)	32
12	A-CSA	Whitney Center	o.p.			(3)	6
13	A	Whitney Center	o.p.			(22)	11
14	CSX	'Little Giant' Dwarfest	o.p.		19 to Laszlo Radocz 50 to J. Lehman	(59)	167
15	JA-J	'Lockwood' (Hammond) HH R4T8	CSX	'Little Giant' Dwarfest	all to L. Radocz	(69)	26
16	AJ	NH R1T5	A-(JA)	NH R2T3	(Ham) #14-59 NH R1T12, 17, R3T11, 15	(25)	8

1995
2008
2010
2015

1996

#	♀ Location	♂ Location	where planted	# nuts (#duds)
1	BC2(J) NH R2T2 #14-89	pum.cren SPL R7T14 #16-60	NH R2T1, R3T12 DIED	(82) 2
2	pum.seg WL R17T11 #12-61	'Lockw.' HH R4T8	Windsor	(32) 27
3	A HH R4T7	'58-J' WL R16T1 #9-34	NH R2T9 DIED	(2) 1
4	J HH R1T8	J HH R1T7		(21) 6
5	'Dw' HH	pum.seg WL R17T11 #12-61	Windsor	(59) 2
6	'B&T'J Old Lyme	o.p.	HH R2T2	49
7	O.L.Inn J, Old Lyme	o.p. (mostly east tree)	Fowlers, CA	70
8	O.L.Inn J, Old Lyme	o.p. (mostly west tree)	Fowlers, CA	5
9	Henry WL R32T1	cren. WL R14T8	NH R3T12 <u>died</u>	(33) 1
10				

1997

#	♀ Location	♂ Location	where planted	# nuts
1	A HH R1T6 Rox #2	BC2(J) NH R2T2 #14-89	state nursery	51
2	A HH R4T7 Watertn.	BC2(J) NH R2T2 #14-89	state nursery	33
3	BC1(C) NH R2T10 #32-89	A HH R1T6 Rox #2	state nursery	228
4	BC1(C) NH R2T10	A HH R4T7 Watertn.	state nursery	143
5	A HH R1T6	pum.cren SPL R6T65 #16-60	DEAD mostly at end of RH trees, farm	22
6	A HH R1T6	ozark.cren SPL R7T61 #23-60	in New Hybrids, farm	30
7	A HH R4T7	pum.cren SPL R6T65	to Canada with	8
8	A HH R4T7	ozark.cren SPL R7T61	Brian Pistolesse	13
9	J Bee & Thistle 1876 "mother"	J	to state nursery	50
10	J B&T seedling "Baby"	J		50
11	J Old Lyme Inn, east	J	to state nursery	45
12				
13				
14				
15				

38
46
50
54
58
61
70
89

1DD2

#	♀	Location	♂	Location	where planted	(# duds) # nuts
1	A'S	NH RIT11 ^{#14-91} RHSxR3476	A	RH(S) RIT4	to F. Hebard	34 (126)
2	pum'I	SPL R6T65 ^{#16-60}	J.oz	SPL R7T61	Hill Craddock to X Gall Wasp Study	25 (6)
3	J.oz.	SPL R7T61 ^{#27-60}	pum'I	SPL R6T65 ^{#16-60}	Hill Craddock to X Gall Wasp Study	37 (4)
4	seg	SL R8T4	seg	SL R2T16	one to hobegans pots, HH R4T2 [4]	5 (1)
5	seg	SL R8T4	seg	SL R3T8	one to hobegans pots, HH R4T1 [5]	6 (0)
6	(A'C)A	NH R2T10 ^{#32-89}	A(A'C)	NH R2T8 ^{#19-92}	farm, dead rock	[2] 10 (114)
7	A(pum'I)	NH R2T17 ^{#21-94}	A	farm R4T5	farm, New Hybrids Bent Creek, NC [2]	29 (10)
8	A(oz.C)	NH R3T3 ^{#14-94}	A'C	NH R3T5 ^{#1-89}	farm [0]	2 (13)
9	A'lock'	NH R2T18 ^{#10-94}	A'J	NH RIT7 ^{#14-91}	out New Hybrids farm [1]	3 (7)
10	Fla.	HH R5T2 o.p.			[0]	~40
11	'LG'	'Little Giant', HH	'EA'	'Eaton' nut orchard	new hybrids farm [2]	2

#	♀	Location	♂	Location	where planted	# trees	# nuts	(# duds)
1	LK.Am	NH R2T18 ^{#10-94}	'LG'	HH	lots of twins! 1-'Holly' rest Bauer	9	7	[13]
2	A(pum'I)	NH R2T17 ^{#21-94}	A-RHSop	SLA-Livingston St	T. Thompson, Ark Farm, New Hybrids	26	26	[64]
3	A(pum'I)	NH R2T17 ^{#21-94}	'Estate'	WL R16T1	select small nuts power by wjldew (X, O) Bauer for cultivar	7	8	[82]
4	A.LK	NH R2T14 ^{#11-94}	'LG'	HH	only 18 good rest tiny	40		[116]
5	A[RHSop]	SLA-Livingston St.	C(SEA)	SLA Livingston St	#1-87 TACF for Flower Shop	231		[837]
6	A	Am.Orch. RIT8	A	Am.Orch. RIT8	Windsor (pd. wild)	34	34	[43]
7	A	Am.Orch. R4T5	A	Am.Orch. R4T14	two to New Hybrids Windsor (pd. wild)	12	12	[93]
8	A'S	NH RIT14 ^{#11-91}	A	RH ^S RIT4	GOOD ROOTS Farm, New Hybrids	4	4	[27]
9	(A'C)A	NH R2T10 ^{#32-89}	A	Walbridge	Farm, by Rock	21	21	[147]
10	A	Am.Orch. R4T14	A	Am.Orch. R4T5	Windsor (pd. wild)	12	12	[36]
11	A'S	NH RIT11 ^{#14-91}	A	RH ^S RIT4	to Fred Hebard		40	
12	A(oz.C)	NH R3T3 ^{#14-94}	'LG'	HH	State Nursery → Englands		183	
13	A(oz.C)	NH R3T1 ^{#14-94}	'LG'	HH	State Nur. → MO ²⁰ , HH ³⁵ W.Mass. 8		226	
14	sat	Caucasus seed,			in pots, NH	23		
15		HN 16b ^{2nd tree} from S	~A	o.p. by Mich?	Door Prize, TACF	6		
16		DW3	A	Southington	Windsor	5	8	
17		EA	A	Southington	Windsor	8	9	
18		'LG'	A	Waterbury	Windsor	10		
19		HN 16a ^{5th tree} from end ("popcorn" burg)		o.p. Mich?	Door Prize, TACF	4		
20		Rau (clustered)		o.p.		8	4	
						20		

#14 C. sativa seed purchased in market in Sochi by
Lars Westergaard

38
46
50
54
58
61
70
89
1998

very dry August, burs didn't open!

#	♀	Location	♂	Location	where planted	# trees	# nuts
1	A°J	NH RIT14 #11-91 RH(5)XR3476	A	RH(5)RIT4	to C. Robin, France		214
2	J	Bee & Thistle, ^{old} Lyme	o.p.		to C. Robin, France		50
3	A	HH RIT6 Rox 2	A	HH R4T7	state nursery ^{with} Fall/Spring		244
4	A	HH R4T7	A	HH RIT6	state nursery	2	3
5	H	WL R32T1	J°H	Sp LR6T35	pots-cold room	0	8
6	J	'Early Jap' Δ	o.p.	(mostly J & H blooming)	Δ → P. Traceski Denmark-31	6	31
7	(p°J) J	'Essate Jap' Δ	o.p.	(mostly J & H blooming)	26-Denmark	1	35
8	A°J	NH RIT14 #11-91 RH(5)XR3476	BC3	n Rock R2T8	BC1-F2 area on HH GOOD ROOTS R2T5 x Hamm's 6	2	2
9	A°J	NH RIT14	A°(C)A	SLA house	Denmark		23
10	A°(C)A	Whitney Center #11-91 RH(5)XR3476	BC3	n Rock R2T8, 10	Forest, Watertown land Tr. 16 11 trees, rest to HH		35
11	A°J	NH RIT14	BC3	n Rock R2T10	BC1-F2 area on HH inc. twigs 15		14
12	H	WL R32T1	o.p.	mostly J & H blooming	67 seed and 67 burs to pots, cold room	0	134
13	A°Lock	NH R2T14 #11-94 RH(5)XHH	A(pum)J	NH R2T13	pot-cold room	0	21
14	A°Lock	NH R2T14 #11-94 RH(5)XHH	pum)seg	WL RIT11	pot-cold room	0	2
15	A°Lock	NH R2T18 #10-94 RH(3)XHH	J	plantation Δ	Denmark		13
16	A°Lock	NH R2T14 #11-94 RH(5)XHH	J	plantation A	9 to Denmark rest too poor to keep		23

#	♀	Location	♂	Location	where planted	# trees	# nuts
17	A°J	NH RIT11 #14-91 RH(5)XR3476	FIX BC3	NH RIT2	NINGA	7	8
18	A°pum)J	NH R3T17 #5-97 HH Rox 2 X SPL R6T65	FIX BC3	NH RIT2	20 to So. Africa, Christo HH dwarf area, New Hybrid 3 1 → P. Traceski, Mohawk For 15	3	45
19	A	RH(5)R2T5 (lots of hairs)	A	RH(5)RIT4 (o.k.)	112 to Scott Schlarbaum 113 to state Nursery		227
20	A	RH(5)RIT4 (o.k.)	A	RH(5)R2T4 (lots of hairs)	90 to Scott Schlarbaum 102 to state Nursery		192
21	A	RH(5)R2T4 (lots of hairs)	A	RH(5)RIT4 (o.k.)	to C. Robin (France)		35
22	A	RH(5)R3T9 (o.k.)	A	RH(5)RIT4 (o.k.)	to C. Robin (France)		54
23	A	RH(11)RIT8 (o.k.)	A	RH(5)RIT4 (o.k.)	30 to C. Robin (France) 50 to Selu (Turkey)		81
24	J	Higashiyama Kuriyama, Hokkaido	o.p.	From Kotobuki	South Lot, Plantation	17	19
25	J	Sakurayama Kuriyama, Hokkaido	o.p.	From Kotobuki	South Lot, Plantation	8	10
26	A°J	NH RIT11 #14-91 RH(5)XWL R3476	A	RH(5)RIT4	to F. Hebard		142

#	♀	Location	♂	Location	where Planted	#nuts	#trees
1	BC3	Rock R2T910 #9-95	BC3	Rock R2T8 #9-95	top of HH	4	
2	A.p.C	NH R2T13 #22-94	FI.BC1	NH R1T2 #16-95	NH	11	
3	C3	M. Nave, San Francisco		China Town	Mr. Carliere		
4	C.	Sarah Cunningham orchard		o.p.		50	
5	J	Bee & Thistle tree		o.p.		~250	

#	♀	Location	♂	Location	where Planted	#nuts	#trees
1	Rock R2T8	Rock #9-95 BC3	R2T10	Rock #9-95 BC3	HH behind douse	20	4
2	R2T10	Rock #9-95 BC3	R2T8	Rock #9-95 BC3	top of HH	3	0
3	R3T18	NH A.p. #5-97	RITZ	NH FI.BC1 #16-95	Watertown Ind St	23	1
4	R2T13	NH A.p. #22-94	R3T18	NH A.p. #5-97	"	54	8
5	R2T18	NH dent Lock #10-94	R3T18	NH A.p. #5-97	"	9	0
6	R3T13	NH A.p. #21-94	R3T18	"	"	18	5
7	R7T61	Spl J.o.z #27-60	R8T63	Spl o.z J #25-60	NH	14	7
8	RetaT4	ch. corner o.z	RganT3	ch. corner o.z	NH, HH	18	15
9	Cheshire J					0	0
10	Whitney Ctr.	(1987)	o.p.		Mohawk Forest	24	15
11	Naugatuck A	(St. Cronk)	o.p.		ca greenhouse exp.	108	
12	Greg Miller	o.p.		C. pumila o.p.	Ching. corner		10

#	♀	Location	♂	Location	where planted	#nuts	# trees	#	♀	Location	♂	Location	where planted	#nuts	# trees
1	BC2(c)	Windsor-N, R4T27 cross #4-97 tree (1-3)	BC3(J)	Windsor-N, R2T13 cross #1-97 tree (1-10)	top of HH	4		1	BC2(c)	Windsor N #3-92	o.p.	(BC3 J's)	Farmington Tn. for 10 to Greenwich rest to Farmington to Milford, PA	4	4
2	BC2(c)	"	"	late leaves (best) R1T1 (1-23)	"	1		2	BC2(c)	Windsor N #3-29, 39, 46, 55, & 138 o.p.		(BC3 J's)		65	55
3	BC2(c)	"	"	R2T3 (1-41)	"	11		3	BC2(c)	Windsor N #4-59, 61, 79, 435:1 o.p.		(BC3 J's)		38	-
4	A (o. seg)	Windsor-S, R1T16 #19-93 (RH) R2T1 WL R34T6	LG	Farm, HH(top) R4T3 'Little Giant'	near 'Hope', NH	35?	35	4	J hyb.	NH R2T18 #10-94 'S 8'		plant. WL R16T1	16 for nut. anal. 4 to New Hybrids	20	4
5	FL (J)	NH R1T14 #1-91	A	RH(II) R4T10	to growth char. phytoph	11		5	J hyb.	NH R2T18 #10-94 'LG'		HH top R5T28	all for nut. anal.	16	-
6	BC2(c)	RH extension R3T20 #7-95	A	RH(II) R4T10	near 'Hope'	5+		6	J hyb.	NH R2T18 #10-94	J hyb	NH R1T2 #16-95	all for nut. anal.	12	178gms
7	BC2(c)	RH extension R3T14 #7-95	A	RH(II) R4T10	near 'Hope'	19	21	7	J hyb.	NH R2T18 #10-94 'Hope'		HH top R3T1	all for nut. anal.	15	231gms
8	BC2(c)	RH extension R3T21 (RH(S) R2T5. WL R34T6) #7-95	A	RH(II) R4T10	near 'Hope'	24	16	8	J hyb.	NH R2T18 #10-94 'Lkwid'		HH R4T8	all for nut. anal.	8	150gms
9	FL (J)	NH R1T11 #14-91	A	RH(II) R4T10	to growth char. phytoph	26+		9	'Lkwid' J hyb	HH R4T8	J	Bee & Thistle	nut grafting	38	-
10	'Hope'	HH(top) R3T1	'Lockwd'	HH R4T8	Girl Scouts Cp. Murray	2		10	'Lkwid' J hyb. cheshire	HH R4T8	Esate	plant. WL R16T1	nut grafting	6	-
11	'LGiant'	HH(top) R4T3	'Lockwd'	HH R4T8	"	1		11	J	Cheshire Church	J	Bee & Thistle	19 for nut. anal. 30 to Turkey	116	25
12	'LGiant'	HH(top) R4T3	'Hope'	HH(top) R3T1	Paul Traceski	14		12	A	HH R1T6 Rox.	Esate	plant WL R16T1	grafting HH top	75	28
13	'Hope'	HH(top) R3T1	'LGiant'	HH(top) R4T3	Girl Scouts	6		13	A	HH R1T6 Rox.	A	HH R4T6 wtn.	all for nut. anal.	26	-
14	A-Lock	#11-94 beyond Rock R5T9	'Hope'	HH(top) R3T1	near 'Hope'	21		14	A	HH R4T5 wtn.	A	HH R1T6 Rox.	to new hybrids	4	4
15	A-Lock	#11-94 beyond Rock R5T9	'LGiant'	HH(top) R4T3	near 'Hope' NH	10	4	15	C	HH R3T5	A	HH R1T6 Rox.	grafting	36	-
16	BC1(c)	#37-89 x RH5 R4T3 NH R2T10	'Lockwd'	HH R4T8	J. Cavaliere, G.S.	191	4	16	crseg.	King Arthur 'Lkwid' HH R4T8		HH R4T8	50 to Turkey available for grafting, 12 to P. Trs.	178	22
17	Morris	Stamford, CT	o.p.		near Hope J. Cavaliere		38	17	C. sat.	near Gori, Georgia, Kartli prov. at 692 m., market			USDA - Joseph Postman	21	Mold
18								18	C. sat.	Batumi, Georgia, Adjara prov. at 28m, market				40	Mold
19								19	C. sat?	Batumi, Georgia, Adjara prov. at 28m, market				25	
20								20	C. sat.	Tkibuli, Georgia, Imereti prov. at 276m, wild				8	
21								21	C. sat.	Tkibuli, Georgia, Imereti prov. at 276m, market				8	
22								22	C. sat.	nr. Vani, Georgia, Imereti prov. at 832m, wild				8	
23								23	A	P. Gordon old Lyme Library unknown					21

148 pots = 2 bales promix

#	♀	Location	♂	Location	where planted	#nuts	#trees
1	J	Cheshire	J	Bee & Thistle	Mo. Bot. Garden Cheshire church	35	
2	BC3(J)	#1-43.2 Windsor ^{cross #1-97}	BC3(J)	Rock R2T8 ^{cross #9-95}	HH behind dense	12	11
3	BC2(C)	#3-138 Windsor ^{cross #3-97}	BC3(J)	"	Port Chester, NY school	61	40
4	BC2(C)	#3-75 Windsor ^{cross #3-97}	BC3(J)	"	HH behind dense	7	7
5	BC3(J)	#1-100	o.p.		Vermont	38	
6	BC3(J)	#1-1	o.p.		Vermont	6	
7	BC3(J)	#1-12	o.p.		Vermont	22	
8	BC3(J)	#1-33	o.p.		Vermont	10	
9	BC3(J)	#1-43.2	o.p.		Vermont	15	
10	BC2(C)	#3-29, 3-30, 3-55,	3-24, 3-39, 3-46, 3-109,		BULKED	723	
					Vermont	(100)	
				grown in Georgia	AL	(623)	36%
11	BC2(C)	#3-138	o.p.	grown in Georgia	Windsor	52	41
12	BC2(C)	#4-59	o.p.	grown in Georgia	Windsor	53	41
13	BC2(C)	#4's bulked	o.p.	grown in Georgia		253	171
14	PESSLOZ	Stamford	o.p.	grown in Georgia	Grino Vona, NY	261	229

#	♀	Location	♂	Location	where planted	#nuts	#trees
1	Henryi	WLR32T1	Henryi	Parw Rock R3T10	Briesch, France	1	
2	Henryi	WLR32T1	Hen'oz	Spl R5T3F	"	2	
3	Henryi	WLR32T1	Hen'oz	WLR32T4	"	1	
4	Henryi	WLR32T1	oz'Hen	WLR30T1F	"	8	
5	Henryi	WLR32T1	o.p.	probably J	10 to France to Sederoff	42	
6	Ozark	ching. corn. R8T4	Hen'oz	Spl R5T3F	HH	8	
7	Am	RH(5)R2T4	Am	RH(26)R2T10		2	
8	Am	RH(11)R2T7	Am	RH(26)R2T10		1	
9	Am	RH(14)R2T9	Am	RH(11)R2T7		2	
10	Am	RH(14)R2T9	Am	RH(5)R2T4		3	
11	Am	RH(14)R2T9	Am	RH(26)R2T10		2	
12	Am	RH(26)R2T10	Am	RH(11)R2T7		1	
13	Am	RH(26)R2T10	Am	RH(5)R2T4		1	
14	Am	RH(26)R2T10	cren'Hen	Spl R6T35	R3T1 New Hybrids	1	
15	Ozark	ching. corn. R8T4	oz'Hen	WLR30T1F	HH new hybrids	2	7
17	Ozark	ching. corner R8T4	oz'Hen	WLR32T4	HH	7	
18	Am	RH(11)R2T7	cren.	Cheshire		3	
19	'Lkwd'	HH R4T8	'Hope'	HH(top)R3T1	to MO	7	
20	'Lkwd'	HH R4T8	'K.Art'	HH(top)R4T3	to MO	11	
21	'Lkwd'	HH R4T8	cren.	Cheshire	to MO	9	
22	'K.Art'	HH(top)R4T3	'Hope'	HH(top)R3T1	to MO	21	
23	'K.Art'	HH(top)R4T3	'Lkwd'	HH R4T8	to MO	12	
24	'K.Art'	HH(top)R4T3	cren.	Cheshire	to MO	18	
25	'Hope'	HH(top)R3T1	'K.Art'	HH(top)R4T3	to MO	28	
26	'Hope'	HH(top)R3T1	'Lkwd'	HH R4T8	to MO	9	
27	'Hope'	HH(top)R3T1	cren.	Cheshire	to MO	10	
28	DW2	HH(top)R3T2	cren'Hen	Spl R6T35	New Hybrids	7	
29	DW2	HH(top)R3T2	'Lkwd'	HH R4T8	HH top 6 to Eddy	32	
30	hyb.	Rock R5T4	'Hope'	HH(top)R3T1		49	

#	♀	Location	♂	Location	where planted	# nuts	# trees	#	♀	Location	♂	Location	Where planted	#nuts	# trees
31	hyb	Wind. Nice ^{HH} RIT1	cren. Hen	SpL R6T35	esplaiier	3		1	"AJ"	NH R2T18	"J"	'Lockwood' ^{R4T18} HH	lab & Turkey	33	
32	hyb	Wind. Nice ^{HH} RIT1	oz. Hen	WL R30T17	esplaiier	12		2	"	NH R2T18	A	HH R4T7 (wtw)	" & Hilgard WA state	52	
33	hyb	NH R2T18	cren. Hen	SpL R6T35	New Hybrids	3		3	"	NH R2T18	"J"	'Essate-Jap'	"	21	
34	hyb	NH R2T18	oz. Hen	WL R30T17	New Hybrids	1		4	"	NH R2T18	A	HH RIT6 (Rox)	"	76	
35	BC3(J)	Wind. #1-43.2	BC3(J)	Wind. #1-23	^{HH} E of dense plant.	14		5	"	NH R2T18	mol. seg	'Little Giant'	"	24	
36	BC2(C)	Wind. #3-138	BC3(J)	Wind. #1-23	^{HH} E of dense plant.	18		6	A	HH RIT6 (Rox)	A	HH R4T7 (wtw)	20 to Brock WVa 131 to greenhouse	151	596 35W
								7	EJ	'Farm Colossal'	EJ	CA 'Okei' pollen	all 10 nuts to lab		
								8	EJ	MI 'Colossal'	EJ	MI 'Okei'		30	
								9	EJ	MI 'Colossal'	EJ	MI 'Benton Harbor'	} back to MI	30	
								10	EJ	MI 'Colossal'	CA	MI 'Eaton'		30	
								11	EJ	MI 'Colossal'	EJ	MI 'Nevada'		30	
								12	A	Chubb	A	o.p. Cornwall	greenhouse	26	5
								13	J	Red ^{old} Thistle Lyne	J	o.p.	15 u. Florida rest → GA nursery	~300	220
								14	hyb	NH R2T4	"J"	'Essate Jap'	Hilgard, WA	9	
								15	AmolA	NH R2T10	"J"	'Essate Jap'	MO,	12	
								16	hyb	HH R2T2		o.p.	to Mac Hammond, MO	146	
								17	hyb	HH RIT1		o.p.	"	72	
								18	oz	HH	H	Farm rock	greenhouse	25-3	5
								19	oz	HH #1	A	HH R4T7 (wtw)	"	12	
								20	oz	HH #2	A	HH R4T7 (wtw)	"	14	12
								21	oz	HH		o.p.	20 to Brock WVa 25 to G. Gardner H3 greenhouse	162	~6
								22	hyb	HH (#4-03)	A	HH R4T7 (wtw)	greenhouse	5	
								23	hyb	HH (#16-04)	A	HH R4T7 (wtw)	greenhouse	3	
								24	BC3(J) ^{MS}	Windsor Fam #1	[BC3(J) Wind. Fam #1] (all op)	Griswold	599	530	
								25	BC2(C) ^{MS}	Windsor Fam #3	[BC3(J) Wind. Fam #1] (all op)	100 to Wva	1447	1170	
								26	BC2(C) ^{MS}	Windsor Fam #4	[BC3(J) Wind. Fam #1] (all op)	Griswold	1134	840	
								27	C	'Mahogany'	C	'Nanking' ^{Greg Miller pollen}	Farm, new field	304	#33 10 off
								28	CA	SpL R4T31	CA	SpL R4T52	to Fred, Va	58	2
								29	CA	SpL R4T52	CA	SpL R4T31	"	77	4

planted in greenhouse 21 Nov 06
 planted in greenhouse 4 Jan 07

38
46
50
54
58
61
70
89

100

800

#	♀	Location	♂	Location	where planted	#nuts	# trees	#	♀	Location	♂	Location	# nuts	# trees	where planted
30	hyp.	'Szego' M. Nave			greenhouse	3		1	A(p.J)	NH R2T13	A	FC R1T18	15	13	
31	sativa	Eastern Black Sea Region Province		Ordu	Artvin #1	17	2	2	A(p.J)	NH R3T13	A	FC R1T18	0	0	
32	sativa	"			farm, next to #2	16	4	3	KAT Lock	NH R2T6	J.hen	SpL R6T35	4	4	NH
33	sativa	"			NH & ACC #3	16	2	4	oz	NH R2T2	J.hen	SpL R6T35	4	2	top HH row 11
34	sativa	"			trees #4	20	7	5	oz	HH top, 3 trees	J.hen	SpL R6T35	47	25	bins between G11
35	sativa	"			" #5	21	6	6	oz	HH top, 3 trees	J.oz	SpL R7T61	63	20	top HH row 11
36	sativa	Middle Black Sea Region Province		Ordu	" #6	13	1	7	oz	HH top, 3 trees	oz J.	SpL R8T62	73	26	top HH row 12
37	C?	Fred Hebard BX3	C?	'Nanking'?	GR119	25		8	J	HH R1T7, R1T8	op		36		to Fenny Dano
38	C?	Fred Hebard GR119	C?	Fred Hebard AD227	Fred	147		9	C	SL R1T15	C	'Nanking'	70	65	farm, lower field
								10	CA	SpL R4T31	CA	SpL R4T52	10		top HH row?
								11	CA	SpL R4T52	CA	SpL R4T31	1		"
								12	hyp.	Windsor, (new)	o.p.		46		
								13	hyp.	Windsor R5T29	o.p.		135		
								14	J	Old Lyme Inn	o.p.		~50		to Fenny Dano
								15	J	Bee & Thistle	o.p.		~300		~50 F. Dano, 20 una
								16	oz?	G & S Cormier	o.p.	"Mobley"	20	13	idied
								17							
								18							
								19							
								20							

#	♀	Location	♂	Location	where planted	#nuts	#trees
1	KAXLack	NH R2T6	KAXLack	NH R3T6	to Jim Wood 10 to NH	20	
2	WNLG	NH R1T1	KAXLack	NH R3T6		17	
3	RH J	NH R1T11	RH(A)	RH(5) R2T4	NH	12	
4	JozozJ	NH R1T8	JozozJ	NH R1T15		5	
5	JozozJ	NH R1T8	JozozJ	NH R1T6		9	
6	JozozJ	NH R1T8		NH R2T2		2	
7	W Nice	HH R1T1	W2	HH R2T2	to Greentree	70	
8	W Nice	HH R1T1	KAXLack	espalier		43	
9	RH A	RH(5) R2T5	H	WL R32T1	NH	9	
10	OZ	NH R2T2 (A+)	OZ	HH top R6T4	tube test	125	
11	OZ	HH top	OZ	HH top [4 crosses]		242	
12	W#1-24	Windsor R2T10	W#1-17	Windsor R2T20	HH top	2	
13							
14	A	Bee & Thistle	o.p.		James Crespo - 2 Rob Conally - 5	230	
15	Windsor	hybrids	o.p.	Jim Wood - 10 MA	Rob Conally - 2 R. Zuckerberg - 50	206	
16	Colossal	farm	o.p.		Jim Wood - 10	10	
17	J.H	SpLR6T35	o.p.			53	
18	H	WL R32T1	o.p.			28	
19	pam.	H. FL, Madison Co.	o.p.		Girls wold NONE! Auzzie Jackson	1 lb	
20	H	Callaway Gardens	o.p.			25	

2010 Chestnuts

TREES

Nuts for me, grown by Scott in a nursery bed

1. NH R1T11 X RH(5) R2T4	BC1 (good genetics)	1,125 nuts	27! → W
2. Timber tree #1-17 o.p.	(Fairfield Garden Club) 25	73 nuts	63
3. Timber tree #3-75 o.p.	(Fairfield Garden Club) 25	133 nuts	72
4. Timber tree #3-55 o.p.	(Fairfield Garden Club) 25	203 nuts	158
5. Timber tree #1-23 o.p.	(Fairfield Garden Club) 25	171 nuts	81
6. Timber tree #1-24 o.p.	(Fairfield Garden Club)	101 nuts	7

Nuts for me, grown by Scott at Forrest Keeling

7. HH R4T2 X SL R8T4	(seguinii for Greentree)	18 nuts	9
8. NH R2T18 o.pl	(for B of C Larson)	18 nuts	

Nuts for the big Scott/Sandy tree growth experiment - Forrest Keeling

9. Japanese, Bee & Thistle Inn o.p.	1,374 nuts	5!
10. American, Rocky Hill orchard RH(5) R2T5 o.p.	1,125 nuts	0
11. (American X Japanese) NH R1T14 o.p.	752 nuts	686
12. (American X Japanese) NH R1T11 o.p.	1,802 nut	124
13. [Chinese X (Japanese X American)] 'Sleeping Giant' o.p. rock, not SG!	1,131 nuts	425

Kept about 100 each from Bee & Thistle, American Rocky Hill, and 'Sleeping Giant' peeled for Jason White for chemistry.

16, 17 Feb 2011 70* day/60* night greenhouse

14. 'Sleeping Giant' o.p.	32 in the screen bottom box
	17 in bench
	21 in cardboard sleeves
15. Bee and Thistle o.p.	32 in screen bottom box
	46 in bench
	21 in cardboard sleeves
16. NH R2T18 o.p.	19 in cardboard sleeves

2011 crosses, 2012 trees

**COLLECT A LOT OF POLLEN FROM
WL R34T6, WL R32T1**

Planted

- 1. ozarkensis HH R2T1 x WL R34T6 ♂ 11 New Hybrids
- 2. x WL R32T1 hen. 4 New Hybrids
- 3. and NH R2T2 x WL R34T6 ♂ 14 New Hybrids
- 4. x WL R32T1 hen. 10 New Hybrids

resist blight and ink disease, genes for gall wasp resistance 39

- 5. 'Colossal' x WL R32T1 henryi gall wasp 9 Rock Planted 24 May 2012
- 6. 'Eaton' x WL R32T1 henryi gall wasp 7 Rock Planted 24 May 2012
- 7. A HH R1T6 x WL R32T1 henryi gall wasp 4 Rock Planted 24 May 2012
- 8. A HH R1T6 x WL R34T6 ♂ check 3 Rock Planted 24 May 2012
- 9. A HH R1T6 x one of those 28 Rock, some

collect o.p. nuts from:

- 10. "Sleeping Giant" at least 1000 for Bob Stehli ✓
- 11. NH R1T14 at least 1000 for Stacy Clark ✓
- 12. W3-75 29 Griswold fenced planting 30 May 2012
- 13. W4-31 65 Griswold " 30 May 2012
- 14. GR 30 probably C. henryi 5 Rock Planted 24 May 2012
- 15. GR 31 probably C. henryi 8 Rock Planted 24 May 2012

ALSO: OVER

2012 Crosses

- 1. Chinese for Nurul Faridi: 'Kuhling' at HH R3T1 x 'Mahogany' SL R1T15
FP#7284 by Kenwood Ave. x 'Mahogany' SL R1T15
42 nuts mailed
- 2. Windsor #4-31 o.p. 10 for Bill Mac Kentley, 10 for Wm. Sachs, and 5 for us Sessions
- 3. Windsor #3-75 o.p. 15 to Sessions Woods
- 4. Windsor #4-47 o.p. 2 to Sessions Woods
- 5. Windsor #1-24 o.p. 104 (orchard tree) for Leila
- 6. 'Colossal' x pumila*alnifolia: all trees in the commercial planting x WL R17T9
CC R-epsilonT4 x CC R-betaT3 #15-61 (no galls)
24 nuts to Nut Trees South
- 7. Griswold R2T10 o.p. 7 [BC2(C) x BC3(L)] o.p. } to E. Hammond
- 8. Griswold R3T15 o.p. 25 " } Princeton, MA
- 9. American, Smith Middle School 5 to farm center
- 10. S.G. Rock 189 for Leila
- 11. Giddings Japanese 200 for Ann McClosky ✓
54 for Leila
- 12. MD pumila 112 from Barbara Knapp Humphrey Hill, Greentree
- 13. 1 bag VERY dry chestnuts, presumed C. sequini
from Donald Allen, Schumacher seeds
- 14. 1 bag VERY dry chestnuts, presumed C. Henryi
from Donald Allen, Schumacher seeds
both soaked for three days in the Prig and
then bagged with sphagnum

2012 crosses

Seed planted = red, actual number of seedlings = green

1. Chinese for Nurul Faridi: 'Kuhling' at HH R3T1 x 'Mahogany' SL R1T15
FP#7284 by Kenwood Ave. x 'Mahogany' SL R1T15
42 nuts sent
2. Windsor #4-31 o.p. 10 for Bill Mac Kentley, 10 for Wm. Sachs, and 5=1 for Sessions
3. Windsor #3-75 o.p. 15 = 10 to Sessions
4. Windsor #4-47 o.p. 2 = 2 to Sessions
5. Windsor #1-24 o.p. 104 = 48 (orchard tree) for Leila 93% germination + 5 albinos
6. 'Colossal' x pumila*alnifolia: all trees in the commercial planting x WL R17T9
CC R-epsilonT4 x CC R-betaT3 #15-61 (no galls)
24 nuts = 8 planted Nut Trees North
7. Griswold R2T10 o.p. 7 To E. Hammond, MA
8. Griswold R3T15 o.p. 25 To E. Hammond, MA
9. American, Smith Middle School 5 = 5 in "Old American Survivors plot S of Americans center farm
10. S.G. Rock 189 = 94 for Leila, 80% germination
11. Giddings Japanese 200 for Ann McClosky
54 = 25 for Leila, 46% germination
12. MD pumila 112 from Barbara Knapp 18 to Greentree, rest in greenhouse
13. one bag VERY dry nuts presumed to be *C. seguinii* from Donald Allen, Schumacher Seeds, 15/34 14 to Greentree
14. one bag VERY dry nuts presumed to be *C. henryi* from Donald Allen, Schumacher Seeds, 19/24 5 by rock in Nut Trees South, 2 on HH, 14 new seedlings Greentree
both soaked (submerged) in the 'frig for several days, then into plastic bags with sphagnum

2013 Crosses

1. 'Colossal' x ozarkensis (AR) commercial chestnut x gall wasp resistant ~75 bags farm HH R1T3 (pollen in refrigerator) harvest 27 September 2013, 74 nuts, 40 to Dennis Fulbright, 10 cut open to check for IKB (none found) 15 to New Hybrids, spring 2014
2. 'Eaton' x ozarkensis (OK) commercial chestnut x gall wasp resistant 8 bags + 2 bags farm HH R2T1 (pollen in refrigerator) LATE HARVEST 8 nuts (7 white) 4 to New Hybrids, spring 2014
3. Rocky Hill (5) x 'Essate Jap' American chestnut x good timber form 4 bags
RH R4T3 WL R16T1 (pollen in refrigerator) harvest 27 September 2013, 81 nuts some to Leila?, 2 to top of HH
4. Rocky Hill (5) x 'Essate Jap' American chestnut x good timber form 8 bags
RH R2T5 WL R16T1 (pollen in refrigerator) harvest 27 September 2013, 40 nuts some to Leila?,
9. ozarkensis*(henryi*ozarkensis) x ozarkensis AR back cross for blight resistance
NH R2T5 NH R2T2 11 bags
harvest 27 September 2013, 26 nuts
15 to top of HH row 11
10. ozarkensis AR x ozarkensis*(henryi*ozarkensis) back cross for blight resistance
NH R2T2 NH R2T5 21 bags
harvest 27 September 2013, 60 nuts
send 30 trees to Pat Guin, Cherokees, in spring
15 to top of HH row 12
11. Turkish sativa x ozarkensis for gall wasp resistant seed for Serap
R1T3 HH R2T1 (OK) blue flagging 9 bags
60 nuts
R1T3 HH R1T3 (AR) 8 bags
39 nuts
R1T6 HH R2T1 (OK) blue flagging 1 bag
died
R1T10 HH R2T1 (OK) blue flagging 1 bag
7 nuts
R1T10 HH R1T3 (AR) 1 bag
6 nuts
112 seeds sent to Turkey via Dennis Fulbright

OVER

2013 continued

12. ozarkensis AR o.p. harvest 25 September 2013
HH R2T1
chopped and freeze dried for nutrient analysis
13. ozarkensis OK o.p. harvest 25 September 2013
HH R1T3
chopped and freeze dried for nutrient analysis
14. 'Colossal' o.p. chopped and freeze dried for nutrient analysis
15. 'Lockwood' o.p. chopped and freeze dried for nutrient analysis
16. Bee and Thistle tree, o.p. harvest 25 September 2013
- C ozarkensis from the Ouachita National Forest, Scott, County, AR
17. OOF-PCS-RC1 pollen R-35TCNA-45 from Steve Bost 2 nuts
no trees
18. OOF-PCS-RC1 o.p. 8 nuts
no trees
19. OOF-CW-CM1 d-w o.p. 4 nuts
NH R2T4, R2T6, R2T9, R2T12

2014 Crosses

1. 'Colossal' x ozarkensis AR nutrients 0 nuts!
HH R1T3
2. 'Colossal' x ozarkensis OK nutrients 0 nuts!
HH R2T1
3. 'Colossal' x 'Lockwood' nutrients MANY nuts,
one bag to E. Grimo, one bag to Jason St. Louis, planted greenhouse
10 nuts = SAMPLE #6
sent to NE Laboratories in Berlin, CT
4. 'Lockwood' x ozarkensis AR nutrients 9 nuts SAMPLE #1
HH R1T3 sent to NE Laboratories in Berlin, CT
5. 'Lockwood' x ozarkensis OK nutrients 7 nuts SAMPLE #2
HH R2T1 sent to NE Laboratories in Berlin, CT
6. ozarkensis AR x ozarkensis OK nutrients 0 nuts
HH R1T3 HH R2T1 sent to NE Laboratories in Berlin, CT
7. ozarkensis AR x 'Lockwood' nutrients 17 nuts SAMPLE #3
HH R1T3 sent to NE Laboratories in Berlin, CT
8. ozarkensis OK x ozarkensis AR nutrients 21 nuts SAMPLE #4
HH R2T1 HH R1T3 11 sent to NE Laboratories in Berlin, CT
some for Lynne Rieske-Kinney 10 nuts
9. ozarkensis OK x 'Lockwood' nutrients 41 nuts SAMPLE #5
HH R2T1 sent to NE Laboratories in Berlin, CT
10. Turkish trees x ozarkensis to replant Turkish rows 0 nuts
11. 'Windsor Nice' o.p. many nuts, all one per bur and tiny
one bag to Hammonasset Fish and Game Club
one bag planted in greenhouse

OVER

2014 continued

12. Windsor #4-75 o.p.

- a. 300 nuts to Leila
- b. 100 nuts to New Hampshire, Stan Kuzia
- c. 25 nuts for Carol Youell, MDC
- d. 25 nuts to Anthony Chechile (Mike Greenlee)

13. Windsor #4-85 o.p.

- e. 200 nuts to Leila
- f. 14 nuts for Carol Youell, MDC

15. Windsor #4-31 o.p.

- g. 12 nuts for Carol Youell, MDC

15. Windsor #3-142 o.p.

- h. 50 nuts to Leila
- i. 30 nuts to Anthony Chechile (Mike Greenlee)
- j. 25 nuts to Daniel Blass, NY

16. 'Little Giant' o.p.

- a. one bag to Jason St. Louis
- b. one bag to Hammonasset Fish and Game Club
- c. some to greenhouse

2015 Crosses

Rocky Hill trees:

- | | | |
|-------------------------------|---------|--------------------|
| 1. RH(5) R2T5 x RH(5) R3T4 | 1 nut | |
| 2. RH(5) R3T6 x RH(5) R2T4 | 17 nuts | planted for others |
| 3. RH(5) R3T6 x RH(5) R2T5 | 13 nuts | planted for others |
| 4. RH(5) R3T6 x RH(5) R3T9 | 2 nuts | planted |
| 5. RH(5) R3T6 x RH(3) R3T10 | 1 nut | |
| 6. RH(5) R3T9 X RH(5) R3T6 | 4 nuts | planted |
| 7. RH(14) R3T8 x RH(5) R3T6 | 19 nuts | to Alan Sonfist |
| 8. RH(5) R3T9 x RH(11) R4T7 | 3 nuts | planted for us |
| 9. RH(14) R4T8 x RH(5) R2T5 | 10 nuts | planted |
| 10. RH(14) R4T8 x RH(3) R3T10 | 6 nuts | planted |
| 11. RH(11) R4T10 x RH(5) R2T5 | 3 nuts | planted for us |

60 pure Americans

- | | | |
|-----------------------------|---------|----------------|
| 12. RH R2T5 x WL R32T1 | 4 nuts | planted |
| 13. RH R3T6 x WL R32T1 | 10 nuts | planted |
| 14. RH R3T9 x WL R32T1 | 2 nuts | planted |
| 15. RH R3T10 x WL R32T1 | 1 nut | |
| ✓ 16. RH R3T10 x WRPL R34T6 | 3 nuts | planted for us |

20 hybrids

Windsor

- | | | |
|-----------------------|-------------------------------------|------------|
| 17. Family 4, tree 31 | lots to Leila | |
| | ✓ grown for Fairfield | planted 30 |
| | 20 to Bill Sachs | |
| | 20 to Daniel Blass in NY | |
| | 20 to Robert Bien, Hammonasset Club | |

- | | | |
|--------------------------------|---------------|--|
| 18. Family 3, tree 142 and 143 | lots to Leila | |
|--------------------------------|---------------|--|

OVER

38
46
50
54
58
61
70
89
1981
2008
5010

2016

2015 crosses, cont.

Farm

- 19. NH R1T11 o.p. All (lots) to Ed Greenwell, TN
- 20. NH R1T14 o.p. All (lots) to Carl Shelton, NH

Plantation

- 21. Hybrid Slope R61T48 C x JEA All to Carl Shelton, NH

Griswold Family 4

- ✓ 22. R1T14 14 nuts fine tree planted
- 23. R3T3 lots o.k. tree
- ✓ 24. R3T15 lots fine tree planted lots
- 25. R4T8 15 nuts canker
- 26. R10T10 13 nuts o.k. tree all to Matt Lustig, PA

Griswold Family 1

- 27. R2T6 (canker) 16 nuts canker
- 28. R4T13 lots o.k. tree
- 29. R8T6 18 nuts o.k. tree
- 30. R11T21 (canker) 21 nuts canker
- 31. R12T26 10 nuts canker

Dunstan

- 32. 'Heritage' seed planted

38
46
50
54
58
61
70
89
1991
3008
5010
2015