

BLK #

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BULKLEY # 228: 1997 MALE FLOWER RECEPITIVITY SURVEY - sorted by X-Grid & Y-Grid

				Survey Dates >>>											
Clone No.	Tree No.	X - Grid	Y - Grid	26-May-97	28-May-97	30-May-97	2-Jun-97	4-Jun-97	6-Jun-97	8-Jun-97	10-Jun-97	12-Jun-97			
1464	11 A		19		4	4	4	4	4	4	4	4			
1463	17 A		21		4	4	4	4	4	4	4	4			
986	18 A		23		4	4	4	4	4	4	4	4			
1571	36 A		50		4	4	4	4	4	4	4	4			
1463	9 G		11		4	4	4	4	4	4	4	4			
1596	25 J		34		4	4	4	4	4	4	4	4			
1560	35 J		49		4	4	4	4	4	4	4	4			
1571	35 J		50		4	4	4	4	4	4	4	4			
951	35 K		45		4	4	4	4	4	4	4	4			
1462	28 L		36		4	4	4	4	4	4	4	4			
1581	27 L		38		4	4	4	4	4	4	4	4			
951	33 L		41		4	4	4	4	4	4	4	4			
1585	33 L		43		4	4	4	4	4	4	4	4			
981	33 L		46		4	4	4	4	4	4	4	4			
1461	20 M		27		4	4	4	4	4	4	4	4			
982	28 M		40		4	4	4	4	4	4	4	4			
1593	35 M		43		4	4	4	4	4	4	4	4			
1460	34 M		44		4	4	4	4	4	4	4	4			
910	35 M		47		4	4	4	4	4	4	4	4			
1583	36 M		49		4	4	4	4	4	4	4	4			
1464	19 N		30		4	4	4	4	4	4	4	4			
1536	26 N		34		4	4	4	4	4	4	4	4			
1588	26 N		36		4	4	4	4	4	4	4	4			
989	28 N		39		4	4	4	4	4	4	4	4			
1595	27 N		40		4	4	4	4	4	4	4	4			
1594	36 N		49		4	4	4	4	4	4	4	4			
1533	25 O		31		4	4	4	4	4	4	4	4			
1584	26 O		37		4	4	4	4	4	4	4	4			
984	27 O		39		4	4	4	4	4	4	4	4			
1466	28 O		40		4	4	4	4	4	4	4	4			
1590	35 O		43		4	4	4	4	4	4	4	4			
983	26 P		31		4	4	4	4	4	4	4	4			
910	26 P		35		4	4	4	4	4	4	4	4			
1461	27 P		39		4	4	4	4	4	4	4	4			
1467	28 P		40		4	4	4	4	4	4	4	4			
989	33 P		42		4	4	4	4	4	4	4	4			
1532	29 Q		33		4	4	4	4	4	4	4	4			
1462	38 Q		49		4	4	4	4	4	4	4	4			
1563	40 Q		50		4	4	4	4	4	4	4	4			
981	30 R		35		4	4	4	4	4	4	4	4			

BULKLEY # 228: 1997 MALE FLOWER RECEPTIVITY SURVEY - sorted by X-Grid & Y-Grid

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1998
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BULKLEY # 228: 1998 MALE FLOWER RECEPITIVITY SURVEY - sorted by X-Grid & Y-Grid

				Survey Dates >>>												
Clone No.	Tree No.	X - Grid	Y - Grid	15-May-98	17-May-98	19-May-98	22-May-98	24-May-98	26-May-98	28-May-98	1-Jun-98	3-Jun-98				
1464	11 A	19	0	0	0	0	0	0	0	0	0	0				
1463	17 A	21	4	4	4	4	4	4	4	4	4	4				
986	18 A	23	4	4	4	4	4	4	4	4	4	4				
1571	36 A	50	4	4	4	4	4	4	4	4	4	4				
1463	9 G	11	0	0	0	0	0	0	0	0	0	0				
1596	25 J	34	4	4	4	4	4	4	4	4	4	4				
1560	35 J	49	4	4	4	4	4	4	4	4	4	4				
1571	35 J	50	4	4	4	4	4	4	4	4	4	4				
951	35 K	45	4	4	4	4	4	4	4	4	4	4				
1462	28 L	36	4	4	4	4	4	4	4	4	4	4				
1581	27 L	38	4	4	4	4	4	4	4	4	4	4				
951	33 L	41	4	4	4	4	4	4	4	4	4	4				
1585	33 L	43	4	4	4	4	4	4	4	4	4	4				
981	33 L	46	4	4	4	4	4	4	4	4	4	4				
1461	20 M	27	0	0	0	0	0	0	0	0	0	0				
982	28 M	40	4	4	4	4	4	4	4	4	4	4				
1593	35 M	43	4	4	4	4	4	4	4	4	4	4				
1460	34 M	44	4	4	4	4	4	4	4	4	4	4				
910	35 M	47	4	4	4	4	4	4	4	4	4	4				
1583	36 M	49	4	4	4	4	4	4	4	4	4	4				
1464	19 N	30	0	0	0	0	0	0	0	0	0	0				
1536	26 N	34	4	4	4	4	4	4	4	4	4	4				
1588	26 N	36	4	4	4	4	4	4	4	4	4	4				
989	28 N	39	4	4	4	4	4	4	4	4	4	4				
1595	27 N	40	4	4	4	4	4	4	4	4	4	4				
1594	36 N	49	4	4	4	4	4	4	4	4	4	4				
1533	25 O	31	4	4	4	4	4	4	4	4	4	4				
1584	26 O	37	4	4	4	4	4	4	4	4	4	4				
984	27 O	39	0	0	0	0	0	0	0	0	0	0				
1466	28 O	40	4	4	4	4	4	4	4	4	4	4				
1590	35 O	43	4	4	4	4	4	4	4	4	4	4				
983	26 P	31	0	0	0	0	0	0	0	0	0	0				
910	26 P	35	4	4	4	4	4	4	4	4	4	4				
1461	27 P	39	4	4	4	4	4	4	4	4	4	4				
1467	28 P	40	4	4	4	4	4	4	4	4	4	4				
989	33 P	42	4	4	4	4	4	4	4	4	4	4				
1532	29 Q	33	4	4	4	4	4	4	4	4	4	4				
1462	38 Q	49	0	0	0	0	0	0	0	0	0	0				
1563	40 Q	50	0	0	0	0	0	0	0	0	0	0				
981	30 R	35	4	4	4	4	4	4	4	4	4	4				

BULKLEY # 228: 1998 MALE FLOWER RECEPPTIVITY SURVEY - sorted by X-Grid & Y-Grid

				Survey Dates >>>											
Clone No.	Tree No.	X - Grid	Y - Grid	15-May-98	17-May-98	19-May-98	22-May-98	24-May-98	26-May-98	28-May-98	1-Jun-98	3-Jun-98			
2000	40 R	49	49	4	4	4	4	4	4	4	4	4			
1596	6 T	6	6	4	4	4	4	4	4	4	4	4			
1539	39 T	49	49	4	4	4	4	4	4	4	4	4			
1599	8 U	6	6	4	4	4	4	4	4	4	4	4			
1536	30 U	34	0	0	0	0	0	0	0	0	0	0			
2000	30 V	34	4	4	4	4	4	4	4	4	4	4			
1588	5 W	4	4	4	4	4	4	4	4	4	4	4			
982	13 W	12	4	4	4	4	4	4	4	4	4	4			
1599	14 W	14	4	4	4	4	4	4	4	4	4	4			
1594	21 W	22													
1589	29 W	31	4	4	4	4	4	4	4	4	4	4			
1532	31 W	37	0	0	0	0	0	0	0	0	0	0			
1533	31 W	38	4	4	4	4	4	4	4	4	4	4			
1563	23 X	29	0	0	0	0	0	0	0	0	0	0			
1465	30 X	38	4	4	4	4	4	4	4	4	4	4			
986	13 Y	12	4	4	4	4	4	4	4	4	4	4			
984	29 Y	32	0	0	0	0	0	0	0	0	0	0			
1540	31 Y	34													
1560	38 Y	43	0	0	0	0	0	0	0	0	0	0			
1539	40 Y	49	4	4	4	4	4	4	4	4	4	4			
1466	29 Z	34	0	0	0	0	0	0	0	0	0	0			
1590	37 Z	43	4	4	4	4	4	4	4	4	4	4			
983	32 AA	34	4	4	4	4	4	4	4	4	4	4			
987	38 AA	44	4	4	4	4	4	4	4	4	4	4			
1538	7 BB	8													
1583	38 BB	44	4	4	4	4	4	4	4	4	4	4			
1581	39 BB	45	4	4	4	4	4	4	4	4	4	4			
1586	37 BB	46	4	4	4	4	4	4	4	4	4	4			
1467	30 CC	33													
1460	38 CC	42	4	4	4	4	4	4	4	4	4	4			
1585	38 CC	43	4	4	4	4	4	4	4	4	4	4			
1540	38 CC	45													
1595	31 DD	35	4	4	4	4	4	4	4	4	4	4			
987	31 DD	40	4	4	4	4	4	4	4	4	4	4			
1465	31 EE	39													
1589	39 EE	44	4	4	4	4	4	4	4	4	4	4			
1586	39 EE	49	4	4	4	4	4	4	4	4	4	4			

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BULKLE, # 228 1997 FEMALE FLOWER RECEPITIVITY SURVEY - sorted by X-Grid & Y-Grid		Survey Dates >>>										
Clone No.	Tree No.	X - Grid	Y - Grid	26-May-97	28-May-97	30-May-97	2-Jun-97	4-Jun-97	6-Jun-97	8-Jun-97	10-Jun-97	12-Jun-97
1596	6 T	6	6				4	4	4	4	4	
1539	39 T		49				4	4	4	4	4	
1599	8 U		6				4	4	4	4	4	
1536	30 U		34				4	4	4	4	4	
2000	30 V		34				4	4	4	4	4	
1588	5 W		4				4	4	4	4	4	
982	13 W		12					4	4	4	4	
1599	14 W		14				4	4	4	4	4	
1594	21 W		22				4	4	4	4	4	
1589	29 W		31				4	4	4	4	4	
1532	31 W		37				4	4	4	4	4	
1533	31 W		38				4	4	4	4	4	
1563	23 X		29				4	4	4	4	4	
1465	30 X		38					4	4	4	4	
986	13 Y		12				4	4	4	4	4	
984	29 Y		32				4	4	4	4	4	
1540	31 Y		34				4	4	4	4	4	
1560	38 Y		43					4	4	4	4	
1539	40 Y		49				4	4	4	4	4	
1466	29 Z		34					4	4	4	4	
1590	37 Z		43					4	4	4	4	
983	32 AA		34					4	4	4	4	
987	38 AA		44					4	4	4	4	
1538	7 BB		8						4	4	4	
1583	38 BB		44						4	4	4	
1581	39 BB		45						4	4	4	
1586	37 BB		46						4	4	4	
1467	30 CC		33						4	4	4	
1460	38 CC		42						4	4	4	
1585	38 CC		43						4	4	4	
1540	38 CC		45						4	4	4	
1595	31 DD		35						4	4	4	
987	31 DD		40						4	4	4	
1584	39 DD		48						4	4	4	
1538	13 EE		12							4	4	
1593	24 EE		23							4	4	
1465	31 EE		39							4	4	
1589	39 EE		44							4	4	
1586	39 EE		49							4	4	

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BULKLEY # 228: 1998 FEMALE FLOWER RECEPITIVITY SURVEY - sorted by X-Grid & Y-Grid												
				Survey Dates >>>								
Clone No.	Tree No.	X - Grid	Y - Grid	15-May-98	17-May-98	19-May-98	22-May-98	24-May-98	26-May-98	28-May-98	1-Jun-98	3-Jun-98
1464	11 A		19			4	4	4	4	4	4	4
1463	17 A		21			4	4	4	4	4	4	4
986	18 A		23			4	4	4	4	4	4	
1571	36 A		50			4	4	4	4	4	4	
1463	9 G		11			4	4	4	4	4	4	
1596	25 J		34			4	4	4	4	4	4	
1560	35 J		49			4	4	4	4	4	4	
1571	35 J		50			4	4	4	4	4	4	
951	35 K		45			4	4	4	4	4	4	
1462	28 L		36			4	4	4	4	4	4	
1581	27 L		38			4	4	4	4	4	4	
951	33 L		41			4	4	4	4	4	4	
1585	33 L		43			4	4	4	4	4	4	
981	33 L		46			4	4	4	4	4	4	
1461	20 M		27			4	4	4	4	4	4	
982	28 M		40			4	4	4	4	4	4	
1593	35 M		43			4	4	4	4	4	4	
1460	34 M		44			4	4	4	4	4	4	
910	35 M		47			4	4	4	4	4	4	
1583	36 M		49			4	4	4	4	4	4	
1464	19 N		30			4	4	4	4	4	4	
1536	26 N		34			4	4	4	4	4	4	
1588	26 N		36			4	4	4	4	4	4	
989	28 N		39			4	4	4	4	4	4	
1595	27 N		40			4	4	4	4	4	4	
1594	36 N		49			4	4	4	4	4	4	
1533	25 O		31			4	4	4	4	4	4	
1584	26 O		37			4	4	4	4	4	4	
984	27 O		39			4	4	4	4	4	4	
1466	28 O		40			4	4	4	4	4	4	
1590	35 O		43			4	4	4	4	4	4	
983	26 P		31			4	4	4	4	4	4	
910	26 P		35			4	4	4	4	4	4	
1461	27 P		39			4	4	4	4	4	4	
1467	28 P		40			4	4	4	4	4	4	
989	33 P		42			4	4	4	4	4	4	
1532	29 Q		33			4	4	4	4	4	4	
1462	38 Q		49			4	4	4	4	4	4	
1563	40 Q		50			4	4	4	4	4	4	
981	30 R		35			4	4	4	4	4	4	

BULKLEY # 228: 1998 FEMALE FLOWER RECEPTIVITY SURVEY - sorted by X-Grid & Y-Grid												
				Survey Dates >>>								
Clone No.	Tree No.	X - Grid	Y - Grid	15-May-98	17-May-98	19-May-98	22-May-98	24-May-98	26-May-98	28-May-98	1-Jun-98	3-Jun-98
2000	40 R	49						4	4	4	4	4
1596	6 T	6						4	4	4	4	4
1539	39 T	49					4	4	4	4	4	4
1599	8 U	6					4	4	4	4	4	4
1536	30 U	34						4	4	4	4	4
2000	30 V	34						4	4	4	4	4
1588	5 W	4		4	4	4	4	4	4	4	4	4
	982	13 W	12					4	4	4	4	4
1599	14 W	14						4	4	4	4	4
1594	21 W	22						4	4	4	4	4
1589	29 W	31						4	4	4	4	4
1532	31 W	37						4	4	4	4	4
1533	31 W	38						4	4	4	4	4
1563	23 X	29						4	4	4	4	4
1465	30 X	38						4	4	4	4	4
986	13 Y	12						4	4	4	4	4
984	29 Y	32						4	4	4	4	4
1540	31 Y	34		4	4	4	4	4	4	4	4	4
1560	38 Y	43						4	4	4	4	4
1539	40 Y	49		4	4	4	4	4	4	4	4	4
1466	29 Z	34						4	4	4	4	4
1590	37 Z	43						4	4	4	4	4
983	32 AA	34						4	4	4	4	4
987	38 AA	44	4	4	4	4	4	4	4	4	4	4
1538	7 BB	8						4	4	4	4	4
1583	38 BB	44	4	4	4	4	4	4	4	4	4	4
1581	39 BB	45						4	4	4	4	4
1586	37 BB	46	4	4	4	4	4	4	4	4	4	4
1467	30 CC	33						4	4	4	4	4
1460	38 CC	42	4	4	4	4	4	4	4	4	4	4
1585	38 CC	43		4	4	4	4	4	4	4	4	4
1540	38 CC	45	4	4	4	4	4	4	4	4	4	4
1595	31 DD	35										
987	31 DD	40	4	4	4	4	4	4	4	4	4	4
1584	39 DD	48	4	4	4	4	4	4	4	4	4	4
1538	13 EE	12						4	4	4	4	4
1593	24 EE	23						4	4	4	4	4
1465	31 EE	39						4	4	4	4	4
1589	39 EE	44						4	4	4	4	4
1586	39 EE	49						4	4	4	4	4

Prince George Tree Improvement Station

1.75 GENERATION INTERIOR LODGEPOLE PINE SEED ORCHARDS:						
BULKLEY # 228 AND WILLOW-BOWRON # 220						
LEGEND FOR 1997 AND 1998 FEMALE AND MALE PHENOLOGY SURVEYS						
Legend						
	FEMALE FLOWERS					
X	Receptive stage (4 in survey) summarized by clone For each clone an "X" will be printed from the survey date in which 40% or more of the ramets are receptive (stage 4) to the date when 80% are past receptivity.					
4	Receptive stage 20% of a ramet's flowers are at receptive stage					
-	Ramenet not receptive or 80% of a ramet's flowers are past receptivity					
blank space	Same as "-"					
0	No female flowers					
	MALE FLOWERS					
X	Pollen flying (4 in survey) summarized by clone For each clone an "X" will be printed from the survey date in which 40% or more of the ramets reach stage 4 to the date when 80% are past pollen flight from north cluster.					
4	Pollen flies when cluster tapped with hand on South side of ramet no pollen flying when tapping cluster on North side					
-						
blank space	Same as "-"					
0	No male flowers					

BLK #

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BULKLEY # 228 1998 PHENOLOGY SURVEY
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)

Marked with Orange Ribbon

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Clone No.	X Grid	Y Grid	Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6	
			Date>>>	06/01	Date>>>	06/03	Date>>>	6/15	Date>>>	6/17	Date>>>		Date>>>	
			Day>>>	Thu	Day>>>	Sel.	Day>>>	Saturday	Day>>>	mon.	Day>>>	Wed.	Day>>>	
1464 A	19	—	—	—	4	4	4	—	—	4	—	—	—	—
1463 A	21	—	—	—	—	—	—	4	—	—	4	—	—	—
986 A	23	—	—	—	4	4	4	—	—	4	—	—	4	—
989 A	38	—	—	—	—	—	—	4	—	—	4	—	—	—
1571 A	50	—	4	—	4	—	4	—	—	4	—	—	4	—
983 AA	34	—	—	—	—	4	—	4	—	—	4	—	—	—
1540 AA	38	—	4	—	4	—	4	—	4	—	—	4	—	—
987 AA	44	—	4	4	4	4	4	4	4	4	4	4	4	4
1583 B	32	—	—	—	4	—	4	—	4	—	—	4	—	—
1538 BB	8	—	4	—	4	—	4	—	4	—	—	4	—	—
1583 BB	44	—	4	—	4	—	4	—	4	—	—	4	—	—
1581 BB	45	—	—	—	4	—	4	—	4	—	—	4	—	—
1586 BB	46	—	4	—	4	—	4	—	4	—	—	4	—	—
1457 CC	33	—	4	—	4	—	4	—	4	—	—	4	—	—
1450 CC	42	—	4	—	4	—	4	—	4	—	—	4	—	—
1585 CC	43	—	—	—	4	—	4	—	4	—	—	4	—	—
1595 DD	35	—	4	—	4	—	4	—	4	—	—	4	—	—
987 DD	40	—	4	—	4	—	4	—	4	—	—	4	—	—
1584 DD	48	—	4	—	4	—	4	—	4	—	—	4	—	—
1463 E	39	—	—	—	4	—	4	—	4	—	—	4	—	—
1538 EE	12	—	—	—	4	—	4	—	4	—	—	4	—	—
1593 EE	23	—	4	—	4	—	4	—	4	—	—	4	—	—
1465 EE	39	—	—	—	4	—	4	—	4	—	—	4	—	—
1589 EE	44	—	4	—	4	—	4	—	4	—	—	4	—	—
1586 EE	49	—	4	—	4	—	4	—	4	—	—	4	—	—
1595 J	34	—	4	—	4	—	4	—	4	—	—	4	—	—
1560 J	49	—	—	—	4	—	4	—	4	—	—	4	—	—
1571 J	50	—	—	—	4	—	4	—	4	—	—	4	—	—
951 K	45	4	4	4	4	4	4	4	4	4	4	4	4	4
1462 L	36	—	4	—	4	—	4	—	4	—	—	4	—	—
1581 L	38	—	—	—	4	—	4	—	4	—	—	4	—	—
951 L	41	—	4	—	4	—	4	—	4	—	—	4	—	—
1585 L	43	—	4	—	4	—	4	—	4	—	—	4	—	—
981 L	45	I	4	—	4	—	4	—	4	—	—	4	—	—
1461 M	27	—	—	—	4	—	4	—	4	—	—	4	—	—
982 M	40	—	4	—	4	—	4	—	4	—	—	4	—	—
1593 M	43	—	4	—	4	—	4	—	4	—	—	4	—	—
1460 M	44	—	4	—	4	—	4	—	4	—	—	4	—	—
910 M	47	—	—	—	—	—	—	—	—	—	—	—	—	—
1464 N	30	—	0	—	0	—	0	—	0	—	—	0	—	—
1536 N	34	—	—	—	—	—	—	—	4	—	—	4	—	—
1588 N	36	—	—	—	4	—	4	—	4	—	—	4	—	—
1595 N	40	—	4	—	4	—	4	—	4	—	—	4	—	—
1594 N	49	—	—	—	—	—	—	—	4	—	—	4	—	—
1533 O	31	—	4	—	4	—	4	—	4	—	—	4	—	—
1584 O	37	—	4	—	4	—	4	—	4	—	—	4	—	—
984 O	39	—	4	—	4	—	4	—	4	—	—	4	—	—
1466 O	40	—	4	—	4	—	4	—	4	—	—	4	—	—

BULKLEY # 228 1998 PHENOLOGY SURVEY														
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)														
Marked with Orange Ribbon														
My DOCUMENTS\PHENOLOGY\1.75 Gen228 Bulkley2000\228Pheno39Clones.XLS														
		Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6		
		Dale>>		Day>>										
Clone	X	Y	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male
1590	O		43		—	—	—	4	—	4	—	4		
983	P		31		4	—	4	—	—	—	4	—	4	
910	P		35		—	—	4	—	—	4	—	4		
1461	P		39		—	4	—	4	—	4	—	4		
1467	P		40		—	4	—	4	—	4	—	4		
989	P		42		—	4	—	4	—	4	—	4		
1540	P		49		—	4	—	4	—	4	—	4		
1532	Q		33		—	4	—	4	—	4	—	4		
1462	Q		49		—	4	—	4	—	4	—	4		
981	R		35		—	4	—	4	—	4	—	4		
2000	R		49		—	—	—	4	—	—	4	—	4	
1598	T		6		—	4	—	4	—	4	—	4		
1539	T		49		—	4	—	4	—	4	—	4		
1599	U		6		—	—	—	—	—	4	—	4		
1536	U		34		—	—	—	—	—	4	—	4		
2000	V		34		—	—	—	—	—	4	—	4		
1568	W		4		—	—	—	4	—	4	—	4		
982	W		12		—	—	—	4	—	4	—	4		
1599	W		14		—	4	—	4	—	4	—	4		
1594	W		22		—	—	—	4	—	4	—	4		
1589	W		31		—	4	—	4	—	4	—	4		
1532	W		37		—	4	—	4	—	4	—	4		
1533	W		38		—	4	—	4	—	4	—	4		
1465	X		38		—	4	—	4	—	4	—	4		
986	Y		12		—	—	—	4	—	4	—	4		
984	Y		32		—	—	—	4	—	4	—	4		
1560	Y		43		—	—	—	—	—	4	—	4		
1539	Y		49		—	—	—	4	—	4	—	4		
1466	Z		34		—	4	—	4	—	4	—	4		
1590	Z		43		—	—	—	4	—	4	—	4		
			78											
LEGEND														
FEMALE PHENOLOGY:														
4	Receptive Stage													
		(4)												
20 % of a Rame's Flowers are at Receptive Stage (Stages 5 or 6)														
Receptive Period: Stage 5 & 6 as per PL Pheno Manual														
~	Prior to 4 Rating: Tree not receptive													
~	After Stage 5 & 6 Receptivity:													
	80 % of a Rame's Flowers are Past Receptivity (Stages 7 or 8)													
0	No Females													
MALE PHENOLOGY:														
4	Pollen flies when Cluster tapped with Hand on SOUTH Side of Tree													
~	Pollen NOT flying, i.e. not yet developed.													
~	Pollen Flight finished: when Cluster Tapping on NORTH Side does not produce Pollen													
0	No Males													

2001

BLK

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228

PINGO

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2002

B
L
K

#

228

DHENQ

2002

BULKLEY # 228 2002		PHENOLOGY SURVEY																							
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)																									
Marked with Orange Ribbon																									
My DOCUMENTS\PHENOLOGY\228 Bulkley2001\228 Pheno 39 Clones.xls		4 days																							
Clone No.	Grid X	Grid Y	Date>>> Day>>>	Surv 1	Surv 2	Surv 3	Surv 4	Surv 5	Surv 6																
	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male											
989	/	A	18	3	4	4	4	4	4	4	4	4													
1464	/	A	19	11	4	4	4	—	4	—	—	—													
1581	/	A	20	3	4	4	4	4	4	4	—	—													
986	/	A	23	4	4	4	4	—	—	—	—	—													
1571	/	A	50	3	4	3	4	4	4	4	4	4													
1583	/	B	32	4	4	4	4	4	—	—	—	—													
1463	/	C	2	3	4	3	4	4	4	4	—	—													
1595	/	C	3	4	4	4	4	—	4	—	—	—													
1594	/	C	5	4	4	4	4	—	—	—	—	—													
1585	/	C	19	—	4	3	4	4	—	4	—	—													
1585	/	E	7	3	4	4	4	4	—	4	—	—													
1463	/	E	15	3	4	4	4	4	4	4	—	—													
1596	/	E	30	—	4	3	4	4	4	4	4	4													
1560	/	J	49	—	4	3	4	4	4	4	4	4													
1571	/	J	50	3	4	4	4	—	4	4	4	4													
951	/	K	45	4	4	4	4	—	—	—	—	—													
1586	/	L	15	4	4	4	4	—	4	—	—	—													
1462	/	L	36	4	4	4	4	—	4	—	—	—													
951	/	L	41	4	4	4	4	—	4	—	—	—													
981	/	L	46	4	4	4	4	—	4	—	—	—													
1461	/	M	27	3	4	4	4	4	4	4	4	4													
982	/	M	40	5	4	3	4	4	4	4	4	4													
1593	/	M	43	3	4	3	4	4	4	4	4	4													
1460	/	M	44	4	4	4	4	—	—	—	—	—													
910	/	M	47	4	4	4	4	4	4	—	4														
1464	/	N	30	4	4	4	4	—	4	—	—	—													
1536	/	N	34	4	4	4	4	—	4	—	—	—													
1588	/	N	36	3	4	4	4	4	4	—	4														
1533	/	O	31	3	4	4	4	4	4	4	—	—													
1584	/	O	37	4	4	4	4	4	4	4	4	4													
984	/	O	39	4	4	4	4	4	4	4	4	—													
1466	/	O	40	3	4	3	4	4	4	4	4	4													
1590	/	O	43	3	4	4	4	4	4	—	4														
983	/	P	31	3	4	3	4	4	4	4	4	4													
910	/	P	35	4	4	4	4	4	4	4	—	4													
1461	/	P	39	4	4	4	4	4	4	4	4	4													
1467	/	P	40	4	4	4	4	—	—	—	—	—													
989	/	P	42	4	4	4	4	4	4	4	—	—													
1540	/	P	*49	4	4	4	4	—	—	—	—	—													
1586	/	Q	20	4	4	4	4	—	4	—	—	—													
1532	/	Q	33	H	H	H	H	—	4	—	4														
1462	/	Q	49	4	4	4	4	—	4	—	—	—													
981	/	R	35	H	H	H	H	—	4	—	—	—													
2000	/	R	49	3	4	3	4	4	4	4	4	4													
1596	/	T	6	3	4	4	4	4	4	4	4	4													
1539	/	T	49	3	4	4	4	—	4	—	4														
1599	/	U	.6	4	4	4	4	4	—	—	—	—													
1536	/	U	34	4	4	4	4	—	4	—	4														

BULKLEY # 228		2002 PHENOLOGY SURVEY																							
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)																									
Marked with Orange Ribbon																									
C:\My DOCUMENTS\PHENOLOGY\228 Bulkley\2001\228 Pheno 39 Clones.xls																									
		Dale>>>	Surv 1	Surv 2	4 days	Surv 3	Surv 4	Surv 5	Surv 6																
Clone No.	Grid X	Day>>> Y	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male												
2000	/ V	34	3	4	3	4	4	4	4	4	4	.	.												
1588	✓ W	4	3	4	4	4	—	4	—	4	.	.	.												
982	✓ W	12	3	4	3	4	4	4	4	4	4	.	.												
1599	✓ W	14	4	4	4	4	4	—	—	—	—	.	.												
1594	✓ W	22	4	4	4	4	—	—	—	—	—	.	.												
1589	✓ W	31	4	4	4	4	—	4	—	4	.	.	.												
1532	✓ W	37	4	4	4	4	4	4	4	—	4	.	.												
1533	✓ W	* 38	4	4	4	4	4	4	4	—	4	.	.												
1465	✓ X	38	3	4	4	4	4	4	4	—	4	.	.												
986	✓ Y	12	4	4	4	4	—	—	—	—	—	.	.												
984	✓ Y	32	4	4	4	4	4	4	4	4	—	.	.												
1560	✓ Y	43	3	4	4	4	4	4	4	4	4	.	.												
1539	/ Y	49	4	4	4	4	—	4	—	—	—	.	.												
1466	/ Z	34	3	4	3	4	4	4	4	4	4	.	.												
1590	/ Z	43	4	4	4	4	4	4	4	—	4	.	.												
983	✓ AA	34	3	4	4	4	4	4	4	4	4	.	.												
1540	✓ AA	38	4	4	4	4	—	—	—	—	—	.	.												
987	, AA	* 44	4	4	4	4	—	—	—	—	—	.	.												
1538	✓ BB	8	4	4	4	4	4	4	4	—	4	.	.												
1583	✓ BB	44	4	4	4	4	4	4	4	—	4	.	.												
1581	✓ BB	45	4	4	4	4	4	4	4	—	=	.	.												
1467	/ CC	33	4	4	4	4	—	4	—	—	—	.	.												
1460	✓ CC	42	4	4	4	4	—	—	—	—	—	.	.												
1595	✓ DD	35	4	4	4	4	—	—	—	—	—	.	.												
987	✓ DD	40	4	4	4	4	—	—	—	—	—	.	.												
1584	DD	48	4	4	4	4	4	—	4	—	—	.	.												
1538	✓ EE	12	3	4	3	4	4	4	4	—	4	.	.												
1593	✓ EE	23	3	4	3	4	4	4	4	4	4	.	.												
1465	✓ EE	39	3	11	4	4	4	4	4	—	4	.	.												
1589	✓ EE	44	3	4	4	4	4	4	4	—	4	.	.												

LEGEND
see CPF notes

2003

B
T
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228

PHENZ

BULKLEY # 228 2003 PHENOLOGY SURVEY														
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)														
Marked with Orange Ribbon														
Note: Delete SMP Trial clones														
W:\shlisp\rit\HT\ROOT\Work\Seed\Rita's Files\PHENOLOGY\228 Bulkley\2003 228 Pheno 39 Clones.xls														
			Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6	
	Date>>>		May 29		June 2		June 4		June 6		June 9			
	Day>>>													
Clone No.	X	Y	Grid	Grid	Fem	Male								
1596	T	6	—	—	4	—	4	3	4	4	4	4	—	
1539	T	49	—	—	—	3	4	4	4	4	4	—	—	
1560	U	4	—	—	—	4	—	4	—	4	4	4	4	
1536	U	34	—	—	3	4	4	4	4	4	4	4	4	
1589	V	2	—	—	4	3	4	4	4	4	4	4	4	
1594	V	30	—	—	—	4	3	4	4	4	4	4	4	
2000	V	34	—	—	—	4	—	4	3	4	4	4	4	
1588	W	4	—	—	4	3	4	4	4	4	4	—	—	
982	W	12	—	—	—	4	3	4	4	4	4	4	—	
1599	X	28	—	—	4	—	4	3	4	3	4	4	—	
986	Y	12	—	—	—	4	3	4	3	4	4	4	—	
984	Y	32	—	—	4	3	4	4	4	4	—	4	—	
1539	Y	49	—	—	3	4	4	4	4	4	4	—	—	
1466	Z	34	—	—	4	—	4	—	4	—	4	4	4	
1590	Z	43	—	—	—	4	3	4	4	4	4	4	4	
983	AA	34	—	—	—	4	3	4	4	4	4	4	4	
1540	AA	38	—	—	4	4	4	4	4	4	4	—	—	
987	AA	44	—	—	4	4	4	4	4	4	4	—	—	
1538	BB	8	—	—	—	4	3	4	4	4	4	4	4	
1583	BB	21	—	—	4	3	4	4	4	4	—	4	—	
1581	BB	45	—	—	—	4	—	4	—	4	4	4	4	
1467	CC	33	—	—	—	4	—	4	3	4	4	4	—	
1460	CC	42	—	—	4	4	4	4	4	—	—	—	—	
1595	DD	35	—	—	4	—	4	3	4	4	4	4	—	
987	DD	40	—	—	4	4	4	4	4	4	—	—	—	
1584	DD	48	—	—	4	—	4	3	4	4	4	4	—	
1538	EE	12	—	—	—	4	3	4	4	4	4	4	4	
1589	EE	18	—	—	—	3	4	4	4	4	4	4	4	
1593	EE	23	—	—	4	—	4	3	4	4	4	4	4	
1465	EE	39	—	—	—	4	—	4	—	4	4	4	4	
LEGEND														
see CPF notes														
only one June 8 flagged														
SMP last for fed 2004 add 2000 not flagged														
Lake t's 1560 1466 1581 1465 flagged purple														

45

BULKLEY # 228		2003 PHENOLOGY SURVEY																							
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)																									
Marked with Orange Ribbon																									
W:\shlspg\r3\HT\ROOT\Work\wp\Seed\Rita's Files\My DOCUMENTS\PHENOLOGY\228 Bulkley2003 228 Pheno 39 Clones.xls		Note: Delete SMP Trial clones																							
			Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6												
Clone No.	X	Y	Date>>>	May 29	June 2	June 4	June 6	June 8	June 10	June 12	June 14	June 16	June 18												
Grid	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male											
989	A	18	-	4	3	4	3	4	4	4	-	-	-	-											
1464	A	19	-	-	-	4	3	4	4	4	4	4	4	-											
1581	A	20	-	-	-	4	-	4	3	4	4	4	4	-											
986	A	23	-	-	3	4	4	4	4	4	-	-	-	-											
1571	A	50	-	-	-	4	-	4	3	4	4	-	-	-											
1583	B	32	-	4	4	4	4	4	4	4	-	-	-	-											
1463	C	2	-	-	-	4	-	4	3	4	4	4	4	-											
1595	C	3	-	-	3	4	3	4	4	4	-	4	-	-											
1585	C	19	-	4	4	4	4	4	4	4	-	-	-	-											
1585	E	7	-	4	3	4	4	4	4	4	-	4	-	-											
1463	E	15	-	4	-	4	-	4	3	4	4	-	-	-											
1596	E	30	-	4	-	4	3	4	4	4	4	-	-	-											
910	K	20	-	-	-	4	3	4	4	4	4	4	-	-											
951	K	45	3	4	4	4	4	4	-	4	-	-	-	-											
1571	L	6	-	-	3	4	3	4	4	4	4	4	4	-											
1586	L	15	-	4	3	4	4	4	4	4	-	-	-	-											
1560	L	30	-	-	-	4	-	4	-	4	3	4	-	-											
1462	L	36	-	4	3	4	3	4	4	4	4	-	-	-											
951	L	41	3	4	4	4	4	4	-	4	-	-	-	-											
1461	M	27	-	-	-	4	-	4	3	4	4	-	-	-											
982	M	40	-	-	-	4	-	4	3	4	4	4	4	-											
1460	M	44	-	4	3	4	4	4	4	4	-	-	-	-											
1594	O	21	-	-	3	4	4	4	4	4	-	4	-	-											
981	O	25	-	4	3	4	4	4	4	4	-	-	-	-											
1593	O	26	-	4	-	4	3	4	4	4	4	-	-	-											
1533	O	31	-	4	3	4	4	4	4	4	-	-	-	-											
984	O	39	-	4	4	4	4	4	4	4	-	-	-	-											
1466	O	40	-	-	-	4	-	4	-	4	4	4	-	-											
1590	O	43	-	-	-	4	3	4	4	4	4	4	-	-											
1464	P	7	-	-	-	4	3	4	4	4	4	4	4	-											
989	P	19	-	-	-	4	3	4	4	4	4	4	4	-											
1588	P	25	-	4	-	4	3	4	3	4	4	4	-	-											
983	p	31	-	4	3	4	4	4	4	4	-	-	-	-											
1461	P	39	-	-	-	4	3	4	4	4	4	4	-	-											
1540	P	49	-	-	4	4	4	4	4	4	4	-	-	-											
1467	Q	6	-	4	-	4	3	4	4	4	4	4	4	-											
1462	Q	16	-	4	3	4	4	4	4	4	4	4	-	-											
1532	Q	18	-	4	-	4	-	4	3	4	4	4	-	-											
1586	Q	20	-	4	4	4	4	4	4	4	4	-	4	-											
910	Q	30	-	-	-	4	3	4	4	4	4	4	-	-											
1536	Q	21	-	-	3	4	4	4	4	4	4	-	4	-											
2000	R	15	-	-	-	4	3	4	3	4	4	4	-	-											
1584	R	26	-	4	3	4	4	4	4	4	4	4	-	-											
981	R	35	-	4	3	4	4	4	4	4	4	4	-	-											
1533	S	14	-	4	4	4	4	4	4	4	4	-	-	-											
1532	S	21	-	4	-	4	3	4	4	4	4	4	4	-											
1599	T	1	-	4	-	4	3	4	4	4	4	4	4	-											
1465	T	5	-	4	3	4	3	4	4	4	4	4	-	-											

28+

B
T
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28

PHENO.

BULKLEY # 228 2004 PHENOLOGY SURVEY														
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)														
Marked with Orange Ribbon					Note: Replaced 1466 Z-34 with EE 37									
\\\142\77\230.131\HTL.ROOT\Work\mp\Seed\Rita's Files\My DOCUMENTS\PHENOLOGY\228 Bulkley\2004 228 Pheno 39 Clones.xls														
			Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6	
	Date>>>	Day>>>	May 20		May 25		May 27		May 31					
Clone No.	X Grid	Y Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male
989	A	18	-	4	-	4	3	4	4	4				
1464	A	19	-	4	3	4	4	4	4	4				
1581	A	20	-	4	-	4	-	4	4	4				
986	A	23	-	4	-	4	3	4	4	4				
1571	A	50	-	4	-	4	3	4	4	4				
1583	B	32	3	4	3	4	4	4	4	4				
1463	C	2	-	4	-	4	-	4	3	4				
1595	C	3	-	4	-	4	3	4	4	4				
1585	C	19	3	4	3	4	4	4	4	4				
1585	E	7	3	4	4	4	4	4	4	4				
1463	E	15	-	4	-	4	-	4	3	4				
1596	E	30	-	4	-	4	3	4	4	4				
910	K	20	-	-	3	4	3	4	4	4				
951	K	45	3	4	4	4	4	4	-	4				
1571	L	6	-	4	-	4	-	4	4	4				
1586	L	15	3	4	4	4	4	4	4	4				
1560	L	30	-	4	-	4	-	4	3	4				
1462	L	36	-	4	3	4	3	4	4	4				
951	L	41	3	4	4	4	4	4	-	4				
1461	M	27	-	-	-	4	-	4	4	4				
982	M	40	-	-	-	4	-	4	3	4				
1460	M	44	-	4	3	4	4	4	4	4				
1594	O	21	-	-	-	4	3	4	4	4				
981	O	25	-	4	-	4	3	4	4	4				
1593	O	26	-	4	-	4	-	4	3	4				
1533	O	31	-	4	3	4	4	4	4	4				
984	O	39	-	4	-	4	3	4	4	4				
1466	O	40	-	4	-	4	-	4	-	4				
1590	O	43	-	4	-	4	3	4	4	4				
1464	P	7	-	4	3	4	3	4	4	4				
989	P	19	-	4	-	4	-	4	3	4				
1588	P	25	-	4	-	4	-	4	3	4				
983	p	31	-	4	-	4	3	4	4	4				
1461	P	39	-	4	-	4	-	4	3	4				
1540	P	49	3	4	4	4	4	4	4	5	4			
1467	Q	6	-	4	3	4	4	4	4	4				
1462	Q	16	-	4	3	4	3	4	4	4				
1532	Q	18	-	4	-	4	3	4	4	4				
1586	Q	20	-	4	3	4	4	4	4	4				
910	Q	30	-	-	3	4	4	4	4	4				
1536	Q	21	-	4	-	4	3	4	4	4				
2000	R	15	-	4	-	4	-	4	3	4				
1584	R	26	-	4	3	4	4	4	4	4				
981	R	35	-	4	3	4	4	4	4	4				
1533	S	14	3	4	4	4	4	4	4	4				
1532	S	21	-	4	-	4	3	4	4	4				
1599	T	1	-	4	-	4	3	4	4	4				
1465	T	5	-	4	3	4	3	4	4	4				

BULKLEY # 228 2004 PHENOLOGY SURVEY													
39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)													
Marked with Orange Ribbon													
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			Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6
			Date>>		Day>>								
Clone No.	X	Y	May 20		May 25		May 27		May 31				
No.	Grid	Grid	Fem	Male	Male								
1596	T	6	-	4	-	4	3	-	4	4	4		
1539	T	49	-	4	-	4	-	4	4	4	4		
1560	U	4	-	4	-	4	-	4	-	4			
1536	U	34	-	-	-	4	3	4	4	4			
1589	V	2	-	4	3	4	4	4	4	4			
1594	V	30	-	4	-	4	3	4	4	4			
2000	V	34	-	4	-	4	-	4	3	4			
1588	W	4	-	4	3	4	3	4	4	4			
982	W	12	-	4	-	4	-	4	3	4			
1599	X	28	-	4	-	4	-	4	4	4			
986	Y	12	-	4	-	4	-	4	4	4			
984	Y	32	-	4	-	4	3	4	4	4			
1539	Y	49	-	4	-	4	-	4	4	4			
1590	Z	43	-	4	-	4	-	4	4	4			
983	AA	34	-	4	-	4	3	4	4	4			
1540	AA	38	3	4	4	4	4	4	4	4			
987	AA	44	3	4	4	4	4	4	4	4			
1538	BB	8	-	-	-	4	-	4	3	4			
1583	BB	21	3	4	3	4	4	4	4	4			
1581	BB	45	-	4	-	4	-	4	3	4			
1467	CC	33	-	4	-	4	3	4	4	4			
1460	CC	42	-	4	-	4	3	4	4	4			
1595	DD	35	-	4	-	4	3	4	4	4			
987	DD	40	-	4	3	4	4	4	4	4			
1584	DD	48	-	4	3	4	4	4	4	4			
1538	EE	12	-	-	-	4	3	4	4	4			
1589	EE	18	-	4	3	4	4	4	4	4			
1593	EE	23	-	4	-	4	-	4	3	4			
1465	EE	39	-	4	-	4	3	4	4	4			
1466	EE	37	-	-	-	4	-	4	-	4			

LEGEND

see CPF notes

BLK

#

228

RHEN

2005

BULKLEY # 228 2005 PHENOLOGY SURVEY

39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPER)

Marked with Orange Ribbon

Note: Replaced 1466 Z-34 with EE 37

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		Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6	
Clone No.	Date>>> Day>>>	May 16	May 19/20	May 24	May 30	May 16	May 19/20	May 24	May 30	May 16	May 19/20	May 24	May 30
	X Grid	Y Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem
989	A	18	—	4	3	4	4	4				/	
1464	A	19	3	4	4	4	4	4					
1581	A	20	—	—	—	4	3	4	4/5	4			
986	A	23	—	4	—	4	4	4					
1571	A	50	—	4	—	4	3/4	4					
1583	B	32	3	4	4	4	4	4	—				
1463	C	2	—	—	—	4	3	4					
1595	C	3	—	4	—	4	4	4					
1585	E	7	—	4	3	4	4	4					
1596	E	30	—	4	—	4	3	—					
1585	F	31	—	4	3	4	4	4					
1463	K	1	—	4	—	4	3	4					
910	K	20	—	4	3	4	4	4					
951	K	45	4	4	4	4	—	—					
1571	I	6	—	4	—	4	3	4					
1586	L	15	3	4	4	4	4	—					
1560	L	30	—	4	—	4	3	4					
1462	L	36	3	4	4	4	4	4					
951	L	41	4	4	4	4	—	—					
1461	M	27	—	4	—	4	4	4					
1460	M	44	—	4	3	4	4	—					
1594	O	21	—	4	3	4	4	4					
983	O	22	—	4	—	4	4	4					
981	O	25	3	4	4	4	4	—					
1593	O	26	—	4	3	4	4	4					
1533	O	31	—	4	3	4	4	4					
984	O	39	—	4	—	4	4	4					
1466	O	40	—	4	—	4	—	4	4	—			
1590	O	43	—	4	—	4	4	4					
1464	P	7	3	4	4	4	4	4/5	4				
982	P	13	—	4	—	4	3	4					
989	P	19	—	4	—	4	3	4					
1588	P	25	—	4	3	4	4	4					
1461	P	39	—	4	—	4	4	4	—				
1540	P	49	3	4	4	4	4	4					
1467	Q	6	—	4	—	4	3	4					
1462	Q	16	3	4	4	4	4	4					
1532	Q	18	—	4	3	4	4	4					
1586	Q	20	—	4	4	4	4	4					
1536	Q	21	—	4	3	4	4	4					
910	Q	30	—	4	3	4	4	4					
2000	R	15	—	—	3	4	4	4					
1584	R	26	—	4	4	4	4	—					
981	R	35	—	4	4	4	4	4	—				
1533	S	14	—	4	3	4	4	4					
1532	S	21	—	4	3	4	4	4					
1599	T	1	—	—	3	4	4	4					
165	T	5	—	4	3	4	4	4					

Average 2nd crop - ahead of 2005 Season

BULKLEY # 228 2005 PHENOLOGY SURVEY

39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPE)

Marked with Orange Ribbon

Note: Replaced 1466 Z-34 with EE 37

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2006

BLK

#

228

PING

BULKLEY # 228 2006 PHENOLOGY SURVEY									
39 Clones (Bulky) only and/or Clones shared with BLK; Clone 1563 surveyed in CFP									
Marked with Orange Ribbon									
Dates>>>	May 24	May 29	June 01	June 5	June 7	Surv 5	Surv 4	Surv 3	Surv 2
Clones X Y	Gnd	Fem	Male	Fem	Male	Fem	Male	Fem	Male
1464 A 19	-	-	4	4	4	4	4	4	4
1464 A 18	-	-	4	4	4	4	4	4	4
981 A	-	-	4	4	4	4	4	4	4
1581 A	-	-	4	4	4	4	4	4	4
986 A	23	-	4	4	4	4	4	4	4
1583 B	32	-	4	4	4	4	4	4	4
1595 C	3	-	4	4	4	4	4	4	4
1585 E	7	-	4	4	4	4	4	4	4
1596 E	30	-	4	4	4	4	4	4	4
1463 K 1	-	-	4	4	4	4	4	4	4
910 K 20	-	-	4	4	4	4	4	4	4
951 K 45	6	-	4	4	4	4	4	4	4
1462 L 15	-	-	4	4	4	4	4	4	4
1560 L 30	-	-	4	4	4	4	4	4	4
951 L 36	-	-	4	4	4	4	4	4	4
1461 M 27	-	-	4	4	4	4	4	4	4
984 N 17	-	-	4	4	4	4	4	4	4
1460 M 44	-	-	4	4	4	4	4	4	4
984 O 21	-	-	4	4	4	4	4	4	4
1593 O 26	-	-	4	4	4	4	4	4	4
1466 O 31	-	-	4	4	4	4	4	4	4
1590 O 40	-	-	4	4	4	4	4	4	4
1464 P 43	-	-	4	4	4	4	4	4	4
982 P 7	-	-	4	4	4	4	4	4	4
989 P 19	-	-	4	4	4	4	4	4	4
1588 P 25	-	-	4	4	4	4	4	4	4
1467 Q 49	-	-	4	4	4	4	4	4	4
985 Q 7	-	-	4	4	4	4	4	4	4
1467 Q 6	-	-	4	4	4	4	4	4	4
1586 Q 20	-	-	4	4	4	4	4	4	4
1536 Q 21	-	-	4	4	4	4	4	4	4
1461 Q 12	-	-	4	4	4	4	4	4	4
1532 Q 16	-	-	4	4	4	4	4	4	4
1462 Q 18	-	-	4	4	4	4	4	4	4
980 Q 16	-	-	4	4	4	4	4	4	4
1590 Q 12	-	-	4	4	4	4	4	4	4
985 Q 7	-	-	4	4	4	4	4	4	4
1467 Q 6	-	-	4	4	4	4	4	4	4
1586 Q 20	-	-	4	4	4	4	4	4	4
1536 Q 21	-	-	4	4	4	4	4	4	4
1461 Q 14	-	-	4	4	4	4	4	4	4
1533 S 6	-	-	4	4	4	4	4	4	4
1463 S 17	-	-	4	4	4	4	4	4	4

Sylvia May 24, 2001 SMP Out of June 7/06 late clones

80% closed = 5 / 20% open on North side
30% open = 4

BULKLEY # 228 2006 PHENOLOGY SURVEY									
39 Clones (Bulley only) and/or Clones shared with BLK; Clone 1563 surveyed in CPT									
Marked with Orange Ribbon Note: Replaced 1466 Z-34 with EE 37									
No.	Clone	Date>>>	May 24	May 29	June 01	June 05	Surv 5	Surv 6	
		Day>>>	Surv 1	Surv 2	Surv 3	Surv 4	Surv 5	Surv 6	
			Male	Female	Male	Female	Male	Female	Male
			Gnd	Fem	Male	Fem	Male	Fem	Male
1532	S	21	-	4	4	4	4	-	
1599	T	1	-	4	4	4	4	-	
1465	T	5	-	4	4	4	4	-	
1596	T	6	-	4	4	4	4	-	
1539	T	10	-	4	4	4	4	-	
1560	U	4	-	4	4	4	4	-	
983	U	17	-	4	4	4	4	-	
1536	U	34	-	4	4	4	4	-	
1589	V	2	-	4	4	4	4	-	
2000	V	34	-	4	4	4	4	-	
982	W	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
1540	AA	38	-	4	4	4	4	-	
987	AA	44	-	4	4	4	4	-	
1583	BB	8	-	4	4	4	4	-	
1581	BB	21	-	4	4	4	4	-	
1583	BB	21	-	4	4	4	4	-	
987	AA	44	-	4	4	4	4	-	
1540	AA	38	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
1466	Z	29	-	4	4	4	4	-	
984	Y	32	-	4	4	4	4	-	
986	Y	12	-	4	4	4	4	-	
1594	W	22	-	4	4	4	4	-	
1599	X	28	-	4	4	4	4	-	
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BULKLEY # 228 2007 PHENOLOGY SURVEY**39 Clones (Bulkley only and/or Clones shared with BLK; Clone 1563 surveyed in CPF)****Marked with Orange Ribbon****Note: Replaced 1466 Z-34 with EE 37**

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Clone No.	X	Y	Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6	
			Date>>>	June 5/07	Day>>>		Male	Fem	Male	Fem	Male	Fem	Male	Fem
	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male
1583	A	16	—	4										
989	A	18	3	4										
1464	A	19	4	4										
1581	A	20	—	4										
986	A	23	4	4										
1571	A	50	—	4										
1593	B	9	3	4										
1583	B	32	4	4										
1595	C	3	4	4										
1539	E	2	4	4										
1585	E	7	3	4										
1596	E	30	3	4										
1585	F	31	4	4										
1595	G	2	4	4										
1463	J	15	—	4										
910	K	20	—	4										
951	K	45	4	4										
1571	L	6	—	4										
1586	L	15	3	4										
1466	L	16	—	4										
1560	L	30	—	4										
951	L	41	4	4										
1462	M	21	—	4										
1461	M	27	3	4										
1460	M	44	—	5	4									
984	N	17	4	4										
1594	O	21	3	4										
981	O	25	4	4										
1593	O	26	4	4										
1533	O	31	4	4										
1590	O	43	4	4										
1464	P	7	4	4										
982	P	13	—	4										
989	P	19	3	4										
1588	P	25	4	4										
1540	P	49	4	4										
983	Q	9	4	4										
1590	Q	12	—	4										
1462	Q	16	4	4										
1532	Q	18	4	4										
1586	Q	20	3	4										
1536	Q	21	4	4										
910	Q	30	—	4										
2000	R	15	—	4										
1467	R	16	4	4										
1584	R	26	4	4										
981	R	35	4	4										
1461	S	6	4	4										
1467	S	12	4	4										

BULKLEY # 228 2007 PHENOLOGY SURVEY
39 Clones (Bulkley only and/or Clones shared with ELK; Clone 1563 surveyed in CPF)
Marked with Orange Ribbon
Note: Replaced 1466 Z-34 with EE 37

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Clone No.	Grid	Grid	Surv 1		Surv 2		Surv 3		Surv 4		Surv 5		Surv 6			
			Date>>>	Day>>>	June 5/07											
			X	Y	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male	Fem	Male
1533	S	14			4	4										
1463	S	17			—	4										
1532	S	21			4	4										
1599	T	1			3	4										
1465	T	5			4	4										
1596	T	6			4	4										
1539	T	10			4	4										
1560	U	4			—	4										
1588	U	14			4	4										
983	U	17			4	4										
1536	U	34			4	4										
1589	V	2			4	4										
982	W	12			4	4										
1594	W	22			4	4										
1599	X	28			4	4										
2000	X	30			4	4										
986	Y	12			4	4										
984	Y	32			4	4										
1466	Z	29			—	4										
1540	AA	38			4	4										
987	AA	44			4	4										
1538	BB	8			4	4										
1581	BB	45			4	4										
1589	CC	15			4	4										
1460	CC	42	4/5		4											
987	DD	40	4/5		4											
1584	DD	48			4	4										
1538	EE	12			4	4										
1465	EE	39			4	4										

LEGEND

see CPF notes

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BULKLINE # 228 2008 PHENOLOGY SURVEY							
No.	Grid	Grid	Fem	Male	Fem	Male	Fem
1596	E	30	-	4	4	4	4
1586	D	14	-	4	5	4	4
1581	D	15	-	4	3	4	4
1581	C	46	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	4	4	4
1463	J	15	-	0	4	0	0
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	16	-	4	-	-	-
1466	L	15	-	4	4	4	4
984	N	17	4	4	5	4	4
981	O	25	3	4	5	4	4
1590	O	26	-	4	4	4	4
1464	P	7	-	0	0	0	0
982	P	13	-	0	0	0	0
1588	P	47	-	4	5	4	4
1540	P	49	4	4	5	4	4
1590	Q	21	-	4	4	4	4
1536	Q	20	3	4	5	4	4
1586	Q	16	-	4	5	4	4
1462	Q	12	-	4	5	4	4
1590	R	26	3	4	5	4	4
1467	R	16	3	4	5	4	4
2000	R	15	-	-	-	-	-
910	Q	30	4	4	5	4	4
90	Q	86	90	90	86	90	86
1465	T	5	-	-	-	-	-
1599	T	1	3	4	4	4	4
981	S	41	-	4	4	4	4
1594	S	37	-	4	5	4	4
1463	S	17	-	4	4	4	4
1467	S	12	3	4	5	4	4
1584	R	26	3	4	5	4	4
1467	R	16	3	4	5	4	4
2000	R	15	-	-	-	-	-
910	Q	30	4	4	5	4	4
90	Q	86	90	90	86	90	86
1536	Q	21	-	4	4	4	4
1586	Q	20	3	4	5	4	4
1462	Q	16	-	4	5	4	4
1590	Q	12	-	4	5	4	4
1540	P	49	4	4	5	4	4
1588	P	47	-	4	5	4	4
982	P	13	-	0	0	0	0
1464	P	7	-	0	0	0	0
1590	O	43	3	4	5	4	4
1593	O	26	-	4	4	4	4
981	O	25	3	4	5	4	4
984	N	17	4	4	5	4	4
1460	M	44	4	4	5	0	0
983	M	35	-	0	5	0	0
1461	M	27	3	4	4	4	4
1462	M	21	3	4	5	4	4
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	26	-	4	-	-	-
1466	L	16	-	4	-	-	-
1586	L	15	-	4	4	4	4
951	K	45	4	4	5	4	4
910	K	20	3	4	4	4	4
1463	J	15	-	0	4	0	0
1532	I	14	-	4	-	-	-
1539	G	48	3	4	5	4	4
1585	F	31	-	4	4	4	4
1596	E	30	-	4	4	4	4
1581	D	15	-	4	3	4	4
1595	D	14	3	4	4	4	4
989	C	46	3	4	4	4	4
1533	C	24	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	-	-	-
1463	J	15	-	0	4	0	0
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	16	-	4	-	-	-
1466	L	15	-	4	4	4	4
1586	L	15	-	4	4	4	4
951	K	45	4	4	5	4	4
910	K	20	3	4	4	4	4
1463	J	15	-	0	4	0	0
1532	I	14	-	4	-	-	-
1539	G	48	3	4	5	4	4
1585	F	31	-	4	4	4	4
1596	E	30	-	4	4	4	4
1581	D	15	-	4	3	4	4
1595	D	14	3	4	4	4	4
989	C	46	3	4	4	4	4
1533	C	24	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	-	-	-
1463	J	15	-	0	4	0	0
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	16	-	4	-	-	-
1466	L	15	-	4	4	4	4
1586	L	15	-	4	4	4	4
951	K	45	4	4	5	4	4
910	K	20	3	4	4	4	4
1463	J	15	-	0	4	0	0
1532	I	14	-	4	-	-	-
1539	G	48	3	4	5	4	4
1585	F	31	-	4	4	4	4
1596	E	30	-	4	4	4	4
1581	D	15	-	4	3	4	4
1595	D	14	3	4	4	4	4
989	C	46	3	4	4	4	4
1533	C	24	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	-	-	-
1463	J	15	-	0	4	0	0
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	16	-	4	-	-	-
1466	L	15	-	4	4	4	4
1586	L	15	-	4	4	4	4
951	K	45	4	4	5	4	4
910	K	20	3	4	4	4	4
1463	J	15	-	0	4	0	0
1532	I	14	-	4	-	-	-
1539	G	48	3	4	5	4	4
1585	F	31	-	4	4	4	4
1596	E	30	-	4	4	4	4
1581	D	15	-	4	3	4	4
1595	D	14	3	4	4	4	4
989	C	46	3	4	4	4	4
1533	C	24	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	-	-	-
1463	J	15	-	0	4	0	0
951	L	41	4	4	5	4	4
1560	L	30	3	4	5	4	4
1595	L	16	-	4	-	-	-
1466	L	15	-	4	4	4	4
1586	L	15	-	4	4	4	4
951	K	45	4	4	5	4	4
910	K	20	3	4	4	4	4
1463	J	15	-	0	4	0	0
1532	I	14	-	4	-	-	-
1539	G	48	3	4	5	4	4
1585	F	31	-	4	4	4	4
1596	E	30	-	4	4	4	4
1581	D	15	-	4	3	4	4
1595	D	14	3	4	4	4	4
989	C	46	3	4	4	4	4
1533	C	24	3	4	4	4	4
1583	B	32	0	0	4	4	4
1461	B	23	-	4	4	4	4
1593	B	9	-	4	5	4	4
1571	A	50	-	4	4	-	-
986	A	23	3	4	4	-	-
1464	A	19	-	0	0	0	0
1583	A	16	3	4	5	-	-
1571	A	10	-	4	4	-	-
1596	F	31	-	4	4	4	4
1589	G	48	3	4	5	4	4
1582	I	14	-	4	-	-	-
1463	J	15</					

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2009 SURVEY # 228 2009 PHENOLOGY SURVEY									
No.	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem
1590	O	12	3	4	3/4	4	4/5	4	
1462	O	16	4	4	4	4	4/5	4	
1586	O	20	4	4	4	4	4/5	4	
1536	O	21	4	4	4	4	4/5	4	
910	O	30	4	4	4	4	4/5	4	
2000	R	15	4	4	4	4	4/5	4	
1467	R	16	4	4	4	4	4	4	
1584	R	26	4	4	4	4	4	4	
1463	S	12	4	4	4	4	4/5	4	
1599	T	1	4	4	4	4	4	4	
1539	T	10	3/4	4	4	4	4	4	
983	U	14	4	4	4	4	4/5	4	
1589	U	19	4	4	4	4	4	4	
982	V	2	4	4	4	4	4	4	
1589	W	12	4	4	4	4	4	4	
1533	W	38	4	4	4	4	4/5	4	
2000	X	30	4	4	4	4	4	4	
1560	X	33	3	4	4	4	4	4	
986	Y	12	4	4	4	4	4	4	
984	Y	32	4	4	4	4	4	4	
1466	Z	29	3/4	4	4	4	4/5	4	
1540	AA	38	4	4	4	4	5	4	
987	AA	44	4	4	4	4	5	4	
1465	AA	50	4	4	4	4	5	4	
1538	BB	8	3/4	4	4	4	4	4	
1581	BB	45	4	4	4	4	5	4	
1589	CC	15	4	4	4	4	4/5	4	
1460	CC	42	4	4	4	4	5	4	
987	DD	40	4	4	4	4	5	4	
1584	DD	48	4	4	4	4	4	4	
1538	EE	12	4	4	4	4	4	4	

2009 SURVEY # 228 2009 PHENOLOGY SURVEY									
No.	Clone X	Grid Y	Fem	Male	Fem	Male	Fem	Male	Fem
1464	A	19	2/3	4	4	4	4	4	
1583	A	16	-	-	3	4	4	4	
1571	A	10	-	-	Surv 1	Surv 2	Surv 3	Surv 4	Surv 5
1464	A	16	4	4	4	4	4/5	4	
1583	A	16	-	-	Thursdays, June 4, 2009	Mondays, June 8, 2009	Wednesdays, June 10, 2009	Sundays, June 14, 2009	Sundays, June 21, 2009
1571	B	9	3	4	4	4	4	4	
1461	B	23	-	-	Days>>>				
1583	B	32	4	4	4	4	4	4	
1533	C	24	3	4	4	4	4	4	
989	C	46	3	4	4	4	4	4	
1595	D	14	-	4	4	4	4	4	
1581	D	15	-	4	4	4	4	4	
1596	E	30	3	4	4	4	4	4	
1585	F	31	3	4	4	4	4	4	
1539	G	48	4	4	4	4	4	4	
1463	J	14	4	4	4	4	4	4	
910	K	20	-	4	4	4	4	4	
951	K	45	4	4	4	4	4	4	
1466	L	16	-	4	4	4	4	4	
1595	L	26	4	4	4	4	4	4	
1560	L	30	-	4	3	4	4	4	
951	L	41	4	4	5	4	-	4	
1462	M	21	-	4	4	4	-	4	
1461	M	27	-	4	4	4	4	4	
1460	M	44	3	4	4	4	4	4	
983	M	35	3	4	4	4	4	4	
984	N	17	-	-	3	4	4	4	
1590	O	43	-	-	0	0	5	0	
1464	P	7	4	-	4	4	4	4	
982	P	13	-	-	4	4	4	4	
1588	P	47	3	-	4	4	4	4	
1540	P	49	4	-	4	5	4	0	

BULKLEY # 228 2009 PHENOLOGY SURVEY							
2009 SURVEY = 39 CLONES = 78 TREES SURVEYED							
Date>>>	Date>>>	Thursday, June 4, 2009	Monday, June 8, 2009	Wednesday, June 10, 2009	Surv 1	Surv 2	Surv 3
Clone X	Clone Y						
No.	Grid	Fem	Male	Fem	Male	Fem	Male
1532	EE	17		4	4	4	
1594	EE	50		4	4	4	
1585	FF	17		4	4/5	4	
1536	FF	47		4	0		
1596	FF	48		4	4		
989	FF	50		4	4		
78							
LEGEND							
FEMALE PHENOLOGY							
4	Receptive S	When 20% of a ramet's flowers are at Stage 3					
-	Prior to Stage 3	ramet's flowers are at pollination stage (lasts 3-4 days)					
-	Past Stage 4	When 80% of a ramet's flowers are Past receptivity					
0	No females						
MALE PHENOLOGY							
4	Pollen flies	when cluster tapped with hand on SOUTH side of tree.					
-	Pollen NOT flying, i.e. not yet developed.						
-	Pollen finished when cluster-tapping on NORTH side does not produce pollen.						
0	No males						

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2010 SURVEY # 228 2010 PHENOLOGY SURVEY									
No.	Grid	Fem	Male	Fem	Male	Fem	Male	Fem	Male
1571	A 10	3	-	4	4	4/5	4	5	-
983	A 13	3	-	4	4	4	4	5	-
1583	A 16	16	-	4	4	4	4	5	-
986	A 23	3	-	4	4	4	4	5	-
1571	A 50	3	-	4	4	4	4	5	-
1593	B 9	3	-	4	4	4	4	5	-
1593	B 29	-	-	4	4	4	4	5	-
1599	B 30	3	-	4	4	4	4	5	-
1539	B 34	4	-	4	4	4/5	-	5	-
982	B 41	-	-	4	4	4	4	5	-
1461	B 48	-	-	4	4	4	4	5	-
1462	C 7	3	-	4	4	4	4	5	-
1462	C 24	-	-	4	4	4	4	5	-
989	C 46	-	-	4	4	4	4	5	-
1595	D 14	3	-	4	4	4/5	-	5	-
1599	D 15	3	-	4	4	4	4	5	-
1467	D 26	3	-	4	4	4	4	5	-
1467	D 29	4	-	4	4	4	4	5	-
2000	E 22	-	-	4	4	4/5	-	5	-
1596	E 30	-	-	4	4	4	4	5	-
1589	F 20	-	-	4	4	4/5	-	5	-
1585	F 31	4	-	4	4	4/5	-	5	-
1463	G 11	-	-	4	4	4	4	5	-
1467	G 12	4	-	4	4	4/5	-	5	-
1583	H 15	4	0	0	4/5	4	4	5	-
1532	I 14	4	-	4	4	4/5	0	0	0
1589	J 1	-	-	4	4	4	4	5	-
1463	J 15	-	-	4	4	4	4	5	-
910	K 20	-	-	4	4	4	4	5	-
951	K 45	4	-	-	-	-	-	-	-
1466	L 16	3	-	4	4	4	4	5	-
1586	L 15	4	-	4	4	4	4	5	-
1586	L 16	4	-	4	4	4	4	5	-
1466	L 26	4	-	4	4	4	4	5	-
1595	L 26	-	-	-	-	-	-	-	-

2010 PHENOLOGY SURVEY									
2010 SURVEY = 39 CLONES = 78 TREES SURVEYED									
Surv 1	Surv 2	Surv 3	Surv 4	Surv 5	Surv 6	Surv 7	Surv 8	Surv 9	Surv 10
No.	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem
Clone	X	Y							
	Day>>>		May 26, 2010	May 31, 2010	June 03, 2010	June 08, 2010			
1560	L	30	-	-	4	4	4	4	4
951	L	41	4	4	4	4	4	4	4
1461	M	27	-	-	4	4	4	5	-
1460	M	44	3	4	4	4	4	5	-
984	N	17	-	4	4	4	-	5	-
981	O	25	4	4/5	4	5	4	-	-
1590	O	43	-	-	4	4	4	4	-
1540	P	49	4	4	4	5	-	-	-
1588	P	47	3	4	4	-	5	-	-
1464	P	7	-	-	4	4	4	5	-
1590	O	43	-	-	4	4	4	4	-
981	N	17	-	4	4	4	-	5	-
1460	M	44	3	4	4	4	-	5	-
984	M	27	-	4	4	4	-	5	-
1461	L	41	4	4	4	5	-	-	-
951	L	30	-	-	4	4	4	4	4
1560	L	30	-	-	4	4	4	4	4
984	N	17	-	4	4	4	-	5	-
1590	O	25	4	4/5	4	5	4	-	-
1590	O	43	-	-	4	4	4	4	-
1464	P	7	-	-	4	4	4	5	-
1588	P	47	3	4	4	-	5	-	-
1540	P	49	4	4	4	5	4	-	-
1586	Q	20	-	-	4	4	4	5	-
1536	Q	21	3	4	4	4	4	5	-
910	Q	30	-	-	4	4	4	5	-
1584	R	26	3	-	4	4	4	5	4
1594	S	37	3	4	4	5	-	-	-
981	S	41	4	4/5	4	5	-	-	-
1465	T	5	3	4	4	5	-	-	-
1539	T	10	0	0	4	0	-	-	-
1539	T	10	0	0	4	0	-	-	-
1588	U	14	4	4	4	4/5	4	5	-
983	U	17	-	-	4	4	4	5	-
982	W	12	-	-	4	4	4	5	-
1533	W	38	4	4	4	5	4	-	-
1560	X	33	-	-	4	4	4	5	4
986	Y	12	-	-	4	4	4	5	-
984	Y	32	-	-	4	4	4	5	-
1466	Z	29	-	-	4	4	4	4	-
1540	AA	38	-	-	4	4	4	4	-
987	AA	44	4	4	4	-	-	5	4
1460	BB	45	-	-	4	4	-	-	4
1581	BB	8	-	-	4	4	4	5	-
1538	BB	8	-	-	4	4	4	5	-
1465	AA	50	4	4	5	4	4	4	4
987	AA	44	4	4	5	4	-	-	-
1584	DD	48	4	4	4	-	-	5	4
987	DD	40	4	4	4	-	-	5	-
1460	CC	42	-	-	4	4	-	-	4
1581	BB	45	-	-	4	4	-	-	4
1538	BB	8	-	-	4	4	4	5	-
1465	EE	12	-	-	4	4	4	4	4

BULKLE # 228 2010 PHENOLOGY SURVEY									
Date>>>	Date>>>	May 26, 2010	Surv 1	Surv 2	Surv 3	Surv 4	Surv 5	Surv 6	Surv 7
Clone X	Clone Y	May 31, 2010							
1532	EE	17	-	4	4	4	5	-	-
1594	EE	50	3	-	5	4	-	-	-
1585	FF	17	3	4	4	4	-	-	4
1536	FF	47	-	0	4	0	-	5	0
1596	FF	48	-	0	4	0	-	5	-
989	FF	50	-	-	4	4	-	4/5	-
78									
LEGEND									
No.	Grid	Grid	Fem	Male	Fem	Male	Fem	Male	Fem
FEMALE PHENOLOGY									
4	Pre-Receptive Stage	When 20% of a ramet's flowers are at Stage 3	Prior to Stage 3 rating: tree not receptive	Past Stage 4 rec	When 80% of a ramet's flowers are past receptivity	No females	No males	No males	No males
3	Pre-Receptive S	When 20% of a ramet's flowers are at Stage 3	Prior to Stage 3 rating: tree not receptive	Past Stage 4 rec	When 80% of a ramet's flowers are past receptivity	No females	No males	No males	No males
4	Receptive Stage	When 20% of a ramet's flowers are at pollination stage (lasts 3-4 days)	Prior to Stage 3 rating: tree not receptive	Past Stage 4 rec	When 80% of a ramet's flowers are past receptivity	No females	No males	No males	No males
MALE PHENOLOGY	4	Pollen files when cluster tapped with hand on SOUTH side of tree.	Pollen NOT flying, i.e. not yet developed.	Pollen files when cluster tapped on NORTH side does not produce pollen.	Pollen files when cluster tapped on NORTH side does not produce pollen.	No females	No males	No males	No males

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BART # 228 PENO.

Clone	X	Day>>>	Tuesday, June 7, 2011	Surv 1	Surv 2	Surv 3	Surv 4	Surv
No.	Grid	Grid Y		Fem	Male	Fem	Male	Fem
1571	A	10	4	4	4	4	4	
983	A	13	4	4	4	4	4	
1464	A	19	4	0				
986	A	23	3					
1571	A	50	4					
1539	B	34	4					
982	B	41	4					
1461	B	48	4					
989	C	24	4					
1533	C	24	4					
1595	D	14	4					
1581	D	15	-					
1596	E	30	-					
1532	F	31	4					
1585	G	30	4					
951	K	45	5					
1466	L	15	4					
1595	L	16	4					
1560	L	30	5					
951	M	41	5					
1461	M	27	4					
984	N	44	4					
1539	O	8	4					
981	O	25	4					
1590	O	43	4					
1464	P	7	0					
1588	P	47	4					
1540	P	49	4					
1590	Q	12	5					
1536	Q	20	4					
1586	Q	21	4					
910	Q	30	4					
1584	R	26	4					

