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PEARL MILLET HYBRID TESTING SUMMARY 1988

Cereals Program
International Crops Research Institute for the Semi-Arid Tropics
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INTRODUCTION

This booklet, the Hybrid Testing Summary 1988 (HTS 2), along with the Pollinator Collection Pedigrees, supply information on the ICRISAT Pearl Millet Pollinator Collection and our hybrid testing program. These can be used in conjunction with the Trials and Nurseries series (TAN 1-4), to find information relating to the hybrids that any pollinator has produced, and the male-sterile used to produce them. At a glance the status of any pollinator can be seen in terms of the number of hybrids it has produced, the stage of testing they have reached, and the fertility restoration of the pollinators.

The information consists of:

- Two way tables of crosses between pollinators and male-sterile lines.
- Data on fertility of hybrids.
- List of initial and advanced hybrids produced by pollinators.

The information in these booklets is primarily intended to help Pearl Millet Breeding efficiently exploit the pollinator collection and its male-sterile lines. However, some of this information may well be helpful to our cooperators, in selecting pollinators for their use directly or as parents in a breeding program.

	5	2	9	8	9	P	8	9	R	2	9	2	8	2	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	2
	4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	C	C
	2													1	2	3	1 T C T

000001	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	4	-		
000002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000003			PFx					--3			PFx								3	3	
000004								--3			PFx	PFx	PMx	PFx	P-3				PFx	3	3
000005	-	-	-	-	-	-	-	-	-	-	SSx	SSx	SSx		-	-	-	-	0		
000006			PMx						--3	MS3	PM3								4	3	
000007	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	5	-	
000008			FSx					-Px			PFx	PFx	PFx	P-x					3		
000009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000010	-	-	-	-	-	-	-	--3	-Px	-	PFx	PFx	PMx	-	-	-	-	-	2	-	
000011			PFx					--3			PFx	P-x	P-x						PFx	2	3
000012			PFx					-Px			PFx									4	
000013	-	-	-	-	-	-	-	-	-	-	MSx	SMx	SSx	-	-	-	-	-	4	-	
000014	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	4	3	
000015													P-x						2		
000016	-	-	-	-	-	-	-	-	PH2	-	-	-	-	-	-	-	-	-	3	-	
000017	-	-	FSx	-	-	-	-	-	-	-	FSx	-	SSx	-	-	-	-	-	4		
000018											PFx		PFx	P-x	PFx				PFx	4	
000019											PFx	PM3							P-x	4	3
000020	-	-	PFx	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	1	3	
000021								--3	-Mx		PMx			PMx					PMx	3	3
000022								--3			PM3	PM3								4	3
000023	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	0	-	
000024								--3	-Px		FSx	PFx	SSx							4	3
000025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '*' = IPMAT; 'S' = AICMIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	7	7
	4	A	3	4	1	7	3	1	2	3	1	2	3	C	0	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	0
	A													1	2	3	1	10	17

000026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000027									-Fx			FFx	FMx					3	
000028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000029		-	-	FFx	-	-	-	-	-Fx	--3	-	-	-	-	-	-	-	-	2
000030				FFx					--3			FFx	FS3	FFx				3	3
000031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000032																FMx		2	
000033																			
000034																			
000035									--3	-Sx			FFx	FSx				5	3
000036		-	-	-	-	-	-	-	--3	-Sx	-	SS3	SS3	SSx	-	-	-	-	4
000037		-	-	-	-	-	-	-	-	-Mx	-	-	-	-	-	-	-	-	3
000038		-	-	FFx	-	-	-	-	--3	-	-	-	-	-	-	-	-	FFx	3
000039		-	-	-	-	-	-	-	--3	-	-	FM3	FM3	-	-	-	-	-	5
000040				FFx								FFx						4	
000041				FMx					--3	--3		FSx			FFx		-Mx	4	
000042		-	-	SSx	-	-	-	-	--3	--3	-	SSx	-	SSx	-	-	-	-	2
000043	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000045		-	-	-	-	-	-	-	-	-	-	SS3	SS3	-	-	-	-	-	5
000046		-	-	FSx	-	-	-	-	--3	-	-	FM2	-	-	-	-	-	-	3
000047		-	-	FFx	-	-	-	-	-	-	-	FFx	-	-	-	-	-	-	4
000048		-	-	FFx	-	-	-	-	--3	-	-	FMx	-	-	-	-	-	-	0
000049		-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	3
000050		-	-	SSx	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	2

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; 'a' = AICMIP
 TIME TO 50% BLOOM (TR):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	9	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0	0
1		4	4	4	4	4	4	4	4	4	4	4	C	0	0	0	0	0
4													1	2	3	1	TB	CT

000J51		--2	PPx	--3				--3	-Mx	SS3	SS3	PSx	PS3	PM3		PMx	4	2
000J52								--3	-Mx	PPx	SSx	PSx	PSx	P-3		PMx	2	3
000J53	-	-	-	-	-	-	-	--3	-Px	-MSx	PMx	PSx	-	-	-	-	3	-
000J54	-	-	PSx	-	-	-	-	--3	-Mx	-SSx	-	SSx	-	-	-	-	0	-
000J55			PSx							PMx	--x	PSx					3	
000J56	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	0	-
000J57								--3		PM3	P-x	PSx	PPx	PPx		PMx	3	3
000J58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000J59										PSx		PMx	MSx	PSx			3	
000J60																		
000J61								--3	PPx		PMx	PMx				PMx	3	3
000J62	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	0	-
000J63								--3	--3								3	3
000J64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000J65	-	-	PSx	-	-	-	-	--3	-	-PSx	-	SSx	-	-	-	-	3	3
000J66	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	2	-
000J67	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	4	-
000J68	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	2	-
000J69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000J70								--3		PPx	PSx	PPx	S-x			PMx	2	3
000J71								--3		PMx	PMx	P-x		PMx		PMx	2	3
000J72			PPx					--3		PM3	MS3	PMx	PSx			PMx	4	3
000J73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000J74								--3					PSx			PSx	2	3
000J75								--3			P-x	MMx	PSx				2	3

"-" = Dropped pollinator;

FERTILITY/STERILITY

"P" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data

First letter visual, second letter under bag

MIXED STAGE

"x" = Test cross; "3" = Initial; "2" = Advanced; "x" = IPMAT; "g" = AICMIP

TIME TO SEX BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	0	9	0	9	0	9	0	9	0	9	0	9	0	9	0	9	0
	1	1	3	3	4	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	C	0	
	1		A	A	A	A	A	A	4	A	A	A	A	C	0	0	0	
	A													1	2	3	1	TB CT

000076									--3	-Fv		PS3	PS3		M-x			F-x	4	3			
000077		-	-	SSv	-	-	-	-	--3	-Fv		FFx	-	FFx	-	FFx	-			2	-		
000078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
000079									--3											3	3		
000080												FFx	P-3	FFx	FFx				FFx	3	3		
000081		-	-	SSx	-	-	-	-	-	-	--2	SS3	FF3	SSx	-	-	-	-	-	4	3		
000082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
000083		-	-	SSx	-	-	-	-	--3			PSv	-	-	-	-	-	-	-	1	-		
000084		-	-	FFx	-	-	-	-	-	-	--3	-	-	FFx	-	-	-	-	-	4	3		
000085		-	-	FFx	-	-	-	-	-	-	--3	-	FFx	FF3	FFx	-	-	-	-	3	-		
000086									--3				PSx		PSx				PSx	M-x	4	3	
000087		-	-	PSx	-	-	-	-	-	-	-	FFx	-	FFx	-	-	-	-	-	0	-		
000088		-	-	PSx	-	-	-	-	-	-	-	FFv	-	PSx	-	-	-	-	-	4	-		
000089				PSv							-Fv	FFx	FFx	PMx	PMx	P-3			FFx	3	3		
000090		-	-	SPx	-	-	-	-	-	-	--3	-	FF3	FF3	PSx	-	-	-	-	5	-		
000091			-S3	-S3							-S3	PS3	SS3	-S3	-S3	-S3	-F3	-F3		4	3		
000092																							
000093				FFx										FF3						3	3		
000094			-S3	-S3		--2			--3	M3		-S3	-S3	-S3	-S3	-S3	-S3	-S3		3	1		
000095		-	-	-	-	-	-	-	--3	-Fv		FFx	FFx	FFx						3	-		
000096	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
000097															F-x		FFx	-Fv		FFx	F-x	4	1
000098		--0	--2						--3					FMx	-3	FM3	FM3			FMx	3	1	
000099		-	-	SSv	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	2	3	
000100			-3						--3					FFx	FFx	-3					3	3	

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "0" = IPMAT; "8" = AICHIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 46-50d; 3 = >1-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	9	9	9	9	8	8	8	8	8	8	8	8	
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	C	
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	
	A													1	2	3	1	TB	CT

000101																				4			
000102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
000103		-	-	3	FFx				-	-	2	-	3	-	FFx	FFx	FFx				3	2	
000104																						2	3
000105		-	-	FFx																		3	-
000106																						3	2
000107																						3	1
000108																						2	2
000109																							
000110																						3	2
000111		-	-	SSx																		3	3
000112		-	-																			4	-
000113																						3	3
000114																							
000115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000117		-	-	SSx																		3	-
000118																						4	3
000119																						4	3
000120																							
000121		-	-	FSx																		3	-
000122		-	-																			2	-
000123																						4	3
000124																						2	
000125		-	-																			4	-

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 'a' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or FLPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	S	B	B	R	B	B	B	P	B	9	B	B	B	Z	B	B	B
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O
	1		A	A	A	A	A	A	A	A	A	A	A	O	O	C	O
	A													1	2	3	1 T B C T

000126																	
000127		--3		FF2				--3	--3		FF3		MM3				
000128		--3						--3			SSx	SSx	SSx				
000129		--3									SSx	SSx					
000130		--3	--3	FS3							S-x	SS3	MSx	F-x		FMx	3
000131		--3		FSx				--3	-Fx		SSx	FFx	FSx				
000132		--3		SSx				MS3	--3x		FSx		FSx				
000133		--3		FM2													
000134		--3		FF3													
000135		--3								--3	FFx			-Fx			
000136		--3	--3	SSx				FF3	-Mx		FSx	FSx	SSx	-Mx	FSx		
000137		--3									F-x						
000138		--3		SSx				--3									
000139		--3										SSx	SMx			MSx	
000140		--3															
000141				SSx							MF3	SSx	FFx	-Fx	FFx		
000142		--3															
000143		--3								--3							
000144		--3		SSx				--3				SSx	SSx	FSx			
000145		--3		FMx				--3					MMx	FSx			
000146		--3	--3					--3				FMx	FMx		-Fx	F-x	
000147														FM2			
000148		--3						--3									
000149			MS2									FSx			SS3		
000150				SSx						-Mx		SSx	SSx	SSx	-Fx	FSx	FSx

--- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bar
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; 'L' = Advanced; 'x' = IPMAT; 'E' = AICMIP
 TIME TO SIX BLOOM (T6):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 55-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	3	8	8	8	8	8	8	2	P	4	8	8	8	P	8	8	8
	1	1	3	3	4	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	C	
	4													1	2	3	1	

000151		--3		--3				--3			SSx	PMx	PMx				4	3	
000152		--3									SSx	SSx					3	3	
000153		--3									S-x			PMx			PMx	2	3
000154		--3									PF3	PF3	PFx				PFx	4	3
000155		--2	SSx								PMx		PMx					3	
000156			SS2	SS2							S-x	S-x	MM3	SS3	PM2		PMx	2	2
000157								--3				F-x						3	3
000158			PSx					--3										2	
000159	-																		
000160			PFx						--3	PF3		PFx						2	
000161			PF3															2	
000162			PSx						--3	PF3		SS3						3	3
000163									--3									5	3
000164	-																		
000165											S-x	M-x		F-x	MSx		F-x	2	4
000166								--3										2	3
000167									--3									1	
000168			PSx															2	
000169	-																		
000170									--3									3	
000171									--3									4	
000172			PF3								SS3	SSx						4	3
000173									--3			PSx						1	3
000174									--3		PMx	PMx	PMx	PPx	PPx		PPx	2	3
000175											PMx	PPx	PMx	PMx	PPx		PPx	2	4

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "4" = IPMAT; "8" = AICMIP
 TIME TO 50% BLOOM (TA):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	S	B	A	B	B	B	A	3	P	A	B	B	B	2	B	B	3
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
	1		A	A	A	A	A	A	A	C	A	A	A	C	0	0	0
	A													1	2	3	1 T8 CT

QU0176								--3									2	3
QU0177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FSx	-	1	
QU0178	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	2	-
QU0179	-	-	SSx	-	-	-	-	--3	-	-	-	-	-	-	-	-	3	-
QU0180	-	-	SSx	-	-	-	-	--3	-	-	FS3	SSx	-	-	-	-	2	3
QU0181	-	-	FSx	-	-	-	-	-Fx	-	FFx	FFx	FMx	-	-	-	-	3	-
QU0182				FF3				--2		FMx			FM3	FM2		FMx	4	2
QU0183	-	-	-	-	-	-	-	-	-	-	SSx	SSx	-	-	-	-	4	
QU0184	-	-	FFx	-	-	-	-	-	-	FFx	-	FFx	-	-	-	-	2	
QU0185		FS3	FS3	FF3				--3		FFx	FFx	FMx	--x	FFx		FFx	3	3
QU0186			SFx					--3									2	3
QU0187								--3		S-x	S-x	SS3	-Sx	MSx		FMx	3	3
QU0188	-	-	SSx	-	-	-	-	--3	-Mx	-	SSx	SSx	-	-	-	-	2	3
QU0189		-	3	FMx				-Fx		FFx	FFx	FM3	-Fx	FFx		FFx	2	3
QU0190	-	--2	MFx	-	-	-	-	-	--3	FFx	FFx	FF3	-	-	-	-	3	2
QU0191											FSx						4	
QU0192	-	-	-	-	-	-	-	-	SS2	-	-	FMx	-	-	-	-	4	2
QU0193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QU0194	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	3	-
QU0195								--3		S-x	S-x		S-x				3	3
QU0196	-	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	-	3	-
QU0197				FS3						FF3	FF3	F-x	-Fx	FFx		F-x	4	3
QU0198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
QU0199	-	FS3	-	-	-	-	-	MM3	--3	-	-	-	-	-	-	-	4	-
QU0200	-	FS3	-	-	-	-	-	--3	-	-	SS3	SS3	-	-	-	-	4	3

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "e" = IPMAT; "g" = AICHIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	9	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	
A													1	2	3	1 TB CT	

000201		PF3						PS2		PSx		PP3	PP3			5	2	
000202			FS3							PSx						3	3	
000203		--2	PFx	-	-	-	-	-Px	--3	PFx	PMx	PMx	-	-	-	3	2	
000204		-3								-3						3	3	
000205		--2	-P3					--3	-P3	-M3	-P3	-M3	-P3	-P3	-P3	5	2	
000206		--2	-P3	-	-	-	-	-P3	-	PM3	-P3	-P3	-P3	-P3	-P3	2	2	
000207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000208		-	-	-	--3	-	-	-	-	--3	PFx	PFx	-	-	-	3	3	
000209		--3	FSx					--3	-Px	PFx	PSx	FS3			PMx	PMx	3	3
000210		--3	FSx	-	-	-	-	-	-	-SSx	-	PS3	-	-	-	3	3	
000211		--3	-	-	-	-	-	-	-	SSx	SSx	-	-	-	-	2	3	
000212		--3	PSx							PFx	PSx	MS3				2	3	
000213		--2											PP3			PPx	3	2
000214		--3	SSx	-	-	-	-	--3	-	-PS3	-	SS3	-	-	-	-	2	3
000215		--3	-	-	-	-	-	--3	-Px	-PFx	PFx	PSx	-	-	-	-	3	3
000216		--3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	3
000217		--2								PFx	--x						4	2
000218		--3															2	3
000219		--3	SSx							SMx	PS3	SSx					4	3
000220																	2	3
000221								--3	-Px		PFx	PMx	PMx				2	3
000222			PFx							PFx	PMx	PMx			PMx	PSx	2	
000223													--x				3	
000224		-	-	PMx	-	-	-	-	-	-	PFx	-	PMx	-	-	-	1	-
000225				PFx				--3		PFx	--x	PMx					3	3

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPMAT; '6' = AICHIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP/IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	R	B	B	3	8	8	9	8	8	3	8	9	2	8	3	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0
A													1	2	3	1 T B C T

000226	-	-3	SSx	-	-	-	-3	-	-	PFx	PFx	PFx	PMx	-	-	PFx	2	3
000227	-	-	PFx	-	-	-	-3	-	-	PFx	-	PSx	-	-	-	-	3	3
000228	-	-	PSx	-	-	-	-3	-Px	-	PFx	-	PMx	-	-	-	-	4	-
000229	-	-	-	-	-	-	-	-	-	MSx	-	-	PSx	-	-	-	2	-
000230	-	-	-	-	-	-	-	-	-	PMx	SS3	SS3	-	-	-	-	4	3
000231	-	-	MSx	-	-	-	-	-	-3	PS3	-	PSx	-	-	-	-	2	3
000232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3
000233	-	-	-	-	-	-	-	-	-3	PMx	-	-	PFx	-	-	-	3	3
000234	-	-	-	-	-	-	-	-	-	-Px	-3	-	-	-	-	-	3	-
000235	-	-	-	-	-	-	-	-	-3	-	-	-	-	-	-	PSx	-	-
000236	-	-	-	-	-	-	-	-	-3	-	-	-	PFx	-	-	PFx	3	3
000237	-	-	SSx	-	-	-	-	-	-	SS3	-	MS3	-	-	-	-	2	3
000238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000239	-	-	-	-	-	-	-	-	-3	-	-	PFx	PFx	-	-	-	2	-
000240	-	-	-	-	-	-	-	-	-3	-Mx	-	PSx	PMx	-	MSx	PSx	-	PMx
000241	-	-	-	-	-	-	-	-	-3	-	-3	-	-	-	-	-	-	-
000242	-	-	-	-	-	-	-	-	-3	-	-3	PSx	-x	PMx	-Px	PMx	PMx	3
000243	-	-	-	-	-	-	-	-	-3	-	-	-	-	-	-	-	-	3
000244	-	-	PSx	-	-	-	-	-	-3	-Px	PS3	PMx	PMx	PM3	PMx	PFx	2	3
000245	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000247	-	-	-	-	-	-	-	-	-	-Px	PFx	PFx	P-x	-	-	PFx	PMx	2
000248	-	-	-	-	-	-	-	-	-3	-	PM3	PM3	-	-	-	-	4	3
000249	-	-	-	-	-	-	-	-	-3	-	-	SSx	-	-	-	-	1	3
000250	-	-	SSx	-	-	-	-	-	-3	-	-	PS3	-	-	-	-	2	3

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '*' = IPMAT; 'g' = AICHIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP/IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	A	9	2	9	8	8	3	3	8	A	B	5	9	B	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	C
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
A													1	2	3	1(TB)CT

000251	-	-	FSx	-	-	-	-	-	--3	-	SS3	-	PS3	-	-	-	-	3	-
000252																			
000253	-	-	PFx	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	1	-
000254	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	0	-
000255	-	-	PFx	-	-	-	-	-	--3	-	-	-	-	PM3	-	-	-	3	-
000256	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	2	-
000257	-	-	-	--3	-	-	-	-	--3	-	-	-	-	-	-	-	-	1	-
000258	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	0	-
000259											SSx	SSx	-	-x	PFx		PFx	3	
000260	-	-	-	-	-	-	-	-	-	-	PFx	--x	-	-	-	-	-	3	-
000261									--3		PMx			PMx	PFx		PMx	2	3
000262	-	-	FSx	-	-	-	-	-	--3	PS3	-	PS3	-	-	-	-	-	3	3
000263	-	3	-	3					--3									0	3
000264	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	2	-
000265											FSx							3	
000266											PMx							3	
000267											PFx	PFx	F-3		F-3		PFx	3	3
000268			PFx						--3		PS3	PFx	PS3	PFx			PMx	2	3
000269																		3	3
000270	-	-	SSx	-	-	-	-	-	--3	SS3	-	SS3	-	-	-	-	-	2	3
000271	-	-	-	-	-	-	-	-	--3	-	SSx	SSx	-	-	-	-	-	2	3
000272										-Sx	PSx			-Sx	F-x		F-x	4	
000273			PMx							-Fx	PFx	PFx	PFx		F-x	PFx		2	
000274			PMx							-Fx	--3	PFx	PFx	PMx	PMx	PMx	PFx	2	3
000275										--3	PFx	PMx	PMx		PMx	PFx	PFx	2	3

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual/second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'e' = IPMAT; 's' = AICMIP

TIME TO 50% BLOOM (T9):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	C	C
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	C	C
	A													1	2	3	1	2	3

000276	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	2	-	
000277	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	0	-	
000278	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	4	-	
000279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000280	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	3	-	
000281	-	-	SMx	-	-	-	-	-	-	--3	SS3	SSx	SS3	-	-	-	-	-	-	3	3	
000282	-	-	-	-	-	-	-	-	-	-	PMx	PMx	-	-	-	-	-	-	-	2	-	
000283	-	-	-	-	-	-	-	-	-	-	-	PMx	PMx	PMx	PMx	-	-	-	-	3	-	
000284	-	-	-	-	-	-	-	-	-	-	SSx	SSx	-	-	-	-	-	-	-	4	-	
000285	-	-	PMx	-	-	-	-	-	-	-	PF3	PS3	-	-	-	-	-	-	-	2	3	
000286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000287	-	-	-	-	-	-	-	-	-	-	MSx	FSx	SMx	-Sx	-	-	-	-	-	3	-	
000288	-	-	-	-	-	-	-	-	-	--3	-	-	-	PMx	PMx	-	-	-	-	5	3	
000289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000290	-	-	SSx	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	1	-	
000291	-	-	-	-	-	-	-	-	-	-	--3	F-x	FFx	FFx	-	-	-	-	-	2	3	
000292	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	4	3	
000293	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000294	-	-	PFx	-	-	-	-	-	-	-	FF3	FS3	-	-	-	-	-	-	-	3	3	
000295	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	5	-	
000296	-	-	-	-	-	-	-	-	-	--3	SSx	FFx	-	-	-	-	-	-	-	3	-	
000297	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	2	-	
000298	-	-	SMx	-	-	-	-	-	-	-	SSx	-MS3	-	-	-	-	-	-	-	FSx	2	3
000299	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	5	-	
000300	-	-	-	-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	2	-	

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 's' = AICMIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	R	8	8	9	8	8	R	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	
	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	
	A													1	2	3	1	(CT)

000301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-		
000302			PSx								SS3	PPx	PP3	PPx	PMx			MMx	2	3	
000303												PPx	PPx	PMx	PPx	P-x				2	
000304	-	-	PPx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
000305	-	-	-	-	-	-	-	-	-	-	SSx	PSx	-	-	-	-	-	-	-	2	-
000306	-	-	PPx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
000307	-	-	PSx	-	-	-	-	-	-	-	PPx	-	SS3	-	-	-	-	-	-	3	-
000308	-	-	-	-	-	-	-	-	-	-	PPx	PMx	-	-	-	-	-	-	-	3	-
000309	-	-	3								PMx	PPx	-	3			PMx			3	3
000310	-	-	-	-	-	-	-	-	-	-	PPx	PP3	-	-	-	-	-	-	-	4	-
000311			PSx								PP3		PM3		PMx			PPx	2	3	
000312	-	-	-	-	-	-	-	-	-	-	SSx	-	-	-	PMx	-	-	-	-	2	-
000313	-	-	-	-	-	-	-	-	-	-										0	-
000314	-	-	-	-	-	-	-	-	-	-										-	-
000315			PSx									MMx	SSx	PSx	PMx	PMx		PMx	2	3	
000316												PPx	PSx	PPx	P-x	PPx				3	-
000317											PPx	PSx	PPx	P-x	PPx					2	-
000318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-
000319	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000320	-	-	3	-	-	-	-	-	-	-	PMx	PMx	PMx	-	-	-	-	-	-	3	3
000321			PM2									PPx	PMx	P-x				PMx	PMx	2	2
000322			SPx								SS3	SSx	SS3	S-x	MMx			PPx		2	3
000323			PSx								PP3	P-3	SS3	PPx			P-x	PPx	3	3	
000324	-	-	-	-	-	-	-	-	-	-										2	3
000325	-	-	-	-	-	-	-	-	-	-	PPx	PP3	-	-	-	-	-	-	-	4	-

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; '8' = AICMIP
 TIME TO SOX BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	3	9	9	8	9	8	8	8	9	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	C	0	
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	
A													1	2	3	1 T O C T	

0U0326																PFx PMx -Px PFx		PFx	3	4	
0U0327		-	-	-	-	-	-	--3		-	-	-	-	-	-	-	-	-	-	2	-
0U0328		--3							--3		-x	Sx Sx							PFx	2	3
0U0329		--3	PSx															-x		2	3
0U0330		--2																		3	2

0U0331		--3				--3	--3			PMx PFx PMx PFx PMx		P-x							3	3	
0U0332		--3	SSx	-	-	-	-	--3	SS3	- PS3	-	-	-	-	-	-	-	-	-	3	3
0U0333		--3																		3	-
0U0334		--3								PMx S-x										3	3
0U0335		--3								SSx										4	3

0U0336		--3				--3			P-3 PFx											3	3
0U0337		--2						452	SSx SSx -3 PF3 SS3 PM3											3	2
0U0338		--8	P-3					P-3	R-3 P-3 -3 PF3 PF3 P-3 P-3										4	1	
0U0339		-	-	-	-	-	-	-	-	SSx SSx	-	-	-	-	-	-	-	-	-	3	3
0U0340		-	-	-	-	--3	-	--3	--3	-	-	-	-	-	-	-	-	-	-	2	-

0U0341		-	-	PSx	-	-	--3	-	-	-	-	-	-	-	-	-	-	-	-	3	3
0U0342		-	-							F-x	PSx PMx									3	5
0U0343		-	-	PMx	-	-	--3	-	-	-	PFx PFx PS3	-	-	-	-	-	-	-	-	2	-
0U0344		-	-	-	--3	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	0	-
0U0345		-	3			--2	--2				PFx PFx -3 PF3								PFx	3	2

0U0346		-	-	PSx	-	-	--3	-	-	-	SSx SSx	-	-	-	-	-	-	-	-	3	3	
0U0347		-	-	PFx			--3				SSx PSx PM3 PSx S-x									PSx	3	3
0U0348		-	-	MSx			--2	--3			SS3	PS3 MS3 PM2								PFx	2	2
0U0349		-	-	-	-	-	-	-	-	--3	PS3	- SS3	-	-	-	-	-	-	-	3	3	
0U0350		-	3								PFx PFx -3 PFx									P-x	1	3

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under beg
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'o' = IPMAT; 'z' = AICMIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	6	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0
	A													1	2	3	1	1

000351										P2	--3				MS3			PMx	5	2				
000352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
000353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
000354			PSx								--3			PM3		PS3	PSx		PMx	2	3			
000355											--3									1	-			
000356											--3										3	-		
000357			PFx											SS3		PSx					3	-		
000358														SSx	SSx	MMx	SS3	SS3			3	3		
000359			PFx								--3	--3	-Px		PFx		PSx	-Px		PFx	3	3		
000360											--3				SSx	SSx					0	-		
000361					--2			MS2			--3	--3	-Sx		SSx	SSx	SSx	MS3	MS3	SS3	PSx	2	2	
000362											--3	--3			PFx	PSx					3	-		
000363															PM3	PMx		-Mx		PMx	PSx	4	3	
000364	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000365															SSx	SSx						2	-	
000366			PFx													PFx						3	-	
000367																PFx	PMx	PFx	PFx	PFx	PFx	PMx	2	3
000368																PSx	MSx					2	3	
000369																						3	-	
000370																						5	3	
000371																SSx	SSx					2	3	
000372																SSx						PSx	2	3
000373																SSx	SSx					2	3	
000374																PFx	PFx	PFx	-Px	-Px		PFx	4	3
000375																							2	3

"-" = Dropped pollinator;
FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; '6' = AICHIP
TIME TO 50% BLOOM (TR):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	2	2	0	2	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O	
	1		A	A	A	A	A	A	A	A	A	A	A	C	O	O	O	
	A													1	2	3	1 T C T	

000401	-	-	SSx	-	-	-	-	-	--3	--3	PSx	-	-	-	-	-	-	2	3
000402														S-x	PSx	PSx		1	
000403	-	-	SSx	-	-	-	-	--3	-	-	-	-	SSx	-	-	-	-	3	3
000404			PPx							PM3								2	3
000405	-	-	SSx	-	-	-	-	--3	-	--3	-	-	SSx	-	-	-	-	2	-
000406			--2						-Mx		MSx	PMx	SSx		MM3	PM3		1	2
000407	-	-		-	-	-	-					PPx	PPx	-			-	3	-
000408								--3			PPx	PSx	PPx	-Sx	PMx		PPx	3	3
000409	-	-	SSx	-	-	-	-				MS3		SS3	-		-	-	3	3
000410			--2	PSx					-Mx		SSx	SSx	PSx	PS3	MS3		PMx	2	2
000411	-	-		-	-	-	-			--3	-	-	-	-	-	-	-	1	-
000412	-	-		-	-	-	-				-	-	-	-	-	-	-	-	-
000413	-	-		-	-	-	-				-	-	-	-	-	-	-	-	-
000414	-	-		-	-	-	-			--3	-	-	-	-	-	-	-	3	-
000415	-	-		-	-	-	-				-	-	-	-	-	-	-	-	-
000416			PSx	-	-	-	-				SS3		SS3	-		-	-	3	-
000417			--8	-P3					-M3		-33	-M3	-33	-M3	-P3	-M3	-M3	3	1
000418	-	-	--2	SSx	-	-	-				PSx	PSx	SSx	-		-	-	2	2
000419	-	-	--4		-	-	-							-		-	-	0	-
000420	-	-	SSx	-	-	-	-			-Sx	-	-	-	SSx	-	-	-	2	-
000421			PSx	-	-	-	-				MS3		PSx	-		-	-	3	-
000422			--3	PSx					-Px				PMx					2	3
000423	-	-		PMx	-	-	-						PSx	-		-	-	2	-
000424	-	-		PPx	-	-	-						PPx	-		-	-	2	-
000425	-	-	SSx	-	-	-	-						SSx	-		-	-	2	-

"-" = Dropped pollinator;
FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visible, second letter under bag
HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "a" = IPMAT; "B" = AICMIP
TIME TO SOX BLOOM (T9):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or PLPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	2	3	3	3	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O	O
	1		A	A	4	A	A	A	A	A	A	A	A	C	O	O	O	O
	A													1	2	3	1	TB CT

000426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000427	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000428	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000429	-	-	-	SSx	-	-	-	-	-	-	PSx	-	SS3	-	-	-	-	2	3
000430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000431											PFx	F-x	PFx				PFx	3	
000432	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000433		-	-	FMx	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	4
000434	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000435		-	-	SFk	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	2
000436		-	-	FMx	-	-	-	-	-	-	SS3	-	FS3	-	-	-	-	-	2
000437	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000438		-	-	FMx	-	-	-	-	-	-	FS3	-	FM3	-	-	-	-	-	2
000439		-	-	FSx	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	2
000440		-	-	-	-	-	-	-	-	-	MSx	FMx	SSx	-Sx	-	-	FMx	3	
000441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000442		-	-	SSx	-	-	-	-	-	-	SS3	-	MS3	-	-	-	-	-	2
000443		-	-	FSx	-	-	-	-	-	-	-	-	FSx	-	-	-	-	-	4
000444		-	-	MSx	-	-	-	-	-	-	PFx	M-3	FMx	-	PFx	PFx	F-x	1	3
000445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000446		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
000447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000448		-	-	MSx	-	-	-	-	-	-	MSx	SSx	-	-	-	-	-	-	3
000449		-	-	FSx	-	-	-	-	-	-	PF3	-	FS3	PFx	PFx	PFx	FSx	2	3
000450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '4' = IPMAT; '2' = AICHIP
 TIME TO SUX BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	9	8	3	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
	4													1	2	3	1

000451	-	-	PFx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
000452	-	-	PSx	-	-	-	-	-	-Mx	-	-	-	-	-	-	-	-	-	3
000453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000454	-	-	-	-	-	-	-	-	-	-	PMx	PMx	PMx	PMx	-	-	-	PMx	2
000455	-	-	SSx	-	-	-	-	-	-	-	SSx	SSx	SSx	-	-	-	-	-	3
000456	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000457	-	-	-	-	-	-	-	-	-	-	PFx	-	-	-	-	-	-	-	4
000458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000459	-	-	-	-	-	-	-	-	-Mx	-	PMx	PMx	PSx	-	-	-	-	PMx	2
000460	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000461	-	-	PFx	-	-	-	-	-	-Px	-	PFx	-	PFx	-	-	-	-	-	3
000462	-	-	PSx	-	-	-	-	-	-	-	MSJ	-	PSx	-	-	-	-	-	2
000463	-	-	SSx	-	-	-	-	-	-Sx	-	PSx	-	SSx	-	-	-	-	-	2
000464	-	-	PSx	-	-	-	-	-	-	-	PSx	-	PSx	-	-	-	-	-	2
000465	-	-	SSx	-	-	-	-	-	-	-	PSJ	-	MSJ	-	-	-	-	-	2
000466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000467	-	-	-	-	-	-	-	-	-	-	PSx	PMx	PMx	PMx	PMx	PMx	PMx	PMx	2
000468	-	-	-	-	-	-	-	-	-	-	PFx	PMx	PMx	PMx	PMx	PMx	PMx	PMx	3
000469	-	-	PSx	-	-	-	-	-	-	-	MSx	-	SSx	-	-	-	-	-	3
000470	-	-	-	-	-	-	-	-	-	-	-	-	-	PFx	PMx	-	-	PFx	4
000471	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000472	-	-	-	-	-	-	-	-	-	-	PSx	-	-	PMx	-	-	-	PFx	3
000473	-	-	-	-	-	-	-	-	-	-	MSx	SSx	-	PMx	-	-	-	-	2
000474	-	-	PFx	-	-	-	-	-	-	-	PSx	PSx	SSx	-Mx	PMx	-	-	-	2
000475	-	-	-	-	-	-	-	-	-	-	-	PFx	-	-	-	-	-	-	4

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "i" = Initial; "a" = Advanced; "p" = IPMAT; "g" = AICMIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	9	8	8	9	8	9	8	8	8	8	9	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	C	
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	C	
	A													1	2	3	1	(T)(CT)	

000476	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000477											PSx	PMx		P-x		PMx	PFx	3	
000478	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000480	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000481	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000482													PP3	PPx	PPx		PPx	2	3
000483												PPx	PPx		P-x		PPx	2	
000484		-	-	-	-	-	-	-	-	-	PPx		PPx					2	-
000485		-	-	-	-	-	-	-	-	-	PPx		PPx					3	-
000486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000487			-	3	PPx						PPx		PPx	-	PPx			2	1
000488											PSx	P-x	P-x					3	
000489											MSx	PPx		PPx	PMx			2	4
000490	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000491				PPx							PPx	PMx	PPx	-	PPx		PPx	3	
000492											PPx	PPx	PPx					4	
000493																			
000494																			
000495										-	PPx			S-x				2	
000496		-	-	PSx	-	-	-	-	-	-	PSx	-	PSx	-	-	-	-	2	
000497	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000498											S-x	PSx		S-x				3	
000499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- = Dropped pollinator;
FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; '8' = AICHIP
TIME TO SOX BLOOM (TR):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	A	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0
	1		A	A	A	4	4	4	4	A	A	A	A	C	0	0	0	0
	A													1	2	3	1	10 CT

0U0S01	-	-	3																			PSx PMx	3	PMx PSx						4	3					
0U0S02																																				
0U0S03		-	-	SSx	-	-	-	-	-	-	2x	-	SSx	-	MS3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3			
0U0S04	-	-	-	PPx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-			
0U0S05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
0U0S06				PSx																					PS3	P-x	PM3			PSx	PMx	2	3			
0U0S07	-	-	-	PSx	-	-	-	-	-	-	-	-	PSx	-	PSx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-			
0U0S08	-	-	-	PMx	-	-	-	-	-	-	-	-	PPx	-	PMx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-			
0U0S09																																				
0U0S10																																				
0U0S11											-Px		PPx	PPx																				3		
0U0S12													PMx		PMx																					
0U0S13													P-x		P-x	P-x																				
0U0S14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0U0S15	-	-	-	SSx	-	-	-	-	-	-	-	-	SSx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4		
0U0S16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0U0S17																																				
0U0S18				SSx																																
0U0S19																																				
0U0S20				PPx																																
0U0S21																																				
0U0S22																																				
0U0S23				SSx																																
0U0S24				PPx																																
0U0S25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = initial; "2" = Advanced; "*" = IPMAT; "E" = AICHIP
 TIME TO SUX BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	9	8	8	9	8	7	8	8	9	8	7	8	8	8	
	1	1	3	3	4	4	6	5	5	5	6	6	6	7	7	7	2
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
	A													1	2	3	1 T0 CT

000>26		-	-	SSx	-	-	-	-	-	-	-	-	MS3	-	-	-	-	2	3
000>27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>28													FFx	FFx	FFx	FFx	FFx	FSx	2
000>29		-	-	FFx	-	-	-	-	-	-	-	-	FFx	FFx	FFx	-	-	-	4
000>30													F-x	F-x	F-x	-	-	F-x	2
000>31				FFx									FFx	FFx	FSx				2
000>32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>34				FFx									FFx	FFx	FFx				3
000>35		-	-	FMx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
000>36			FS3	SSx					-Mx		SSx	SSx	SSx						2
000>37		-	-	-	-	-	-	-	-	-	FF3	-	FS3	-	-	-	-	-	3
000>38											FFx	FFx		F-x					3
000>39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>40		-	FS3	MS3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
000>41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>42											FFx	FSx	FMx	FFx	F-3		FMx	2	3
000>43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>44															FFx		FMx	2	
000>45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000>49														FFx	FMx		FMx	2	
000>50											FFx		FMx	FFx	FMx		F-x	2	

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; 'S' = AICMIP

TIME TO 50% BLOOM (T9):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	9	8	8	8	9	R	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	9	5	5	6	6	6	7	7	7	7	8	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	C	C
	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	0	0
	A													1	2	3	1	1	CT

00351											P-x	PPx	PSx						F-x	3		
00352											PSx			PPx	PMx						2	
00353	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
00354	-	-	PMx							-Px		PPx	PPx	PSx				PMx			3	
00355	-	-	-	-	-	-	-	-	-	-	-	-	PSx								2	
00356	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00357											R-x	PPx		PPx	PPx			PMx			2	
00358											P-x	P-x		PPx	P-x			PMx			2	
00359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00360	-	-	PPx							-Px		-	-	PPx							3	-
00361											PPx		P-3		PPx			PMx			3	3
00362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00363			PPx								PPx	PPx	PP3	-Px	PPx			PMx			2	3
00364													PP3								3	3
00365											PSx		P-3	P-x	P-3			PMx			3	
00366											PPx		PPx	PPx	P-x			P-x			3	
00367	-	-	-	-	-	-	-	-	-	-Px	-	PPx		-	-	-	-	-	-	-	2	-
00368														PPx			PMx		PSx		2	
00369																						
00370	-	-	SSx							-	SSx	-	PSx		-	-	-	-	-	-	2	
00371	-	-	SSx							-Mx	-	SSx	-	SSx							2	-
00372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00374	-	-	SSx							-	-	-	PMx								3	-
00375			SSx								PPx		PMx				PMx				2	

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual/second letter under box

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'c' = IPMAT; 'g' = AICHIP

TIME TO 50% BLOOM (T9):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	9	9	8	8	8	9	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
	1		4	4	4	4	4	4	4	4	4	4	4	C	0	0	0
	A													1	2	3	1 TB CT

000576			PSx							-Px		PFx	P-x	PMx	F-x	F-x	PMx	PFx	2	
000577														M-x				PFx	2	
000578	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000579			SSx									SSx	PFx					2	2	-
000580	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000581			PS3									PMx					PFx	PMx	3	3
000582			--3											M-x			PFx	PFx	3	3
000583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000584												SSx	SSx	SSx					3	
000585	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000586	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000587			--2				--2					PFx	PMx			PF3	PF3		3	2
000588			SSx																2	-
000589			- 3	PMx								SSx	SSx	- 3				PMx	3	3
000590												P-x	PSx	P-x	M-x	FSx	PMx	PMx	2	
000591			PM2									PFx	PFx	PS3					2	2
000592			PMx							-Px									2	-
000593												PMx	PFx	FSx	PFx			PMx	2	
000594												FSx	SSx		M-x				3	
000595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000596	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000597			PFx									PFx	PFx	PMx	PFx			P-x	2	
000598												SSx	SSx	SSx					4	
000599														SSx					4	
000600																				

“-” = Dropped pollinator;

FERTILITY/STERILITY

“F” = Fertile; “M” = Mixed; “S” = sterile; “-” = Missing data

First letter visual, second letter under bag

HYBRID STAGE

“x” = Test cross; “3” = Initial; “2” = Advanced; “+” = IPMAT; “6” = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPM; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0	
1		A	A	A	A	4	A	4	A	4	4	4	0	0	0	0	0	
4													1	2	3	1	1	

000e01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e02										PPx								4
000e03																		4
000e04			PP3						-Px				P-x	PMx		P-x		3
000e05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e06									-Sx				M-x					2
000e07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e08			SSx							PS3	SSx	SSx						3
000e09										PPx	PPx							3
000e10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e11														-Px				5
000e12														PPx		PPx		4
000e13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e14																		4
000e15																		
000e16									-Px	SSx	SSx	PMx				PPx		2
000e17															PSx	PMx		4
000e18										PPx			PPx					0
000e19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e21			PP3										P-x					2
000e22																		3
000e23																		
000e24									-Px	PPx	PPx	PMx						4
000e25			PSx						-Mx	SSx		SSx						2

7- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '4' = IPMAT; '8' = AICMIP

TIME TO 50% BLOOM (T50):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	2	8	9	8	3	9	9	8	8	8	2	8	8	2	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	C	C
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	0
	4													1	2	3	1	TB	CT

000e2e	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000e27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000e2e										F-x		FMx	-x	FFx			FMx				
000e2v				PFx						-Fx	MFx	PFx	PFx				PFx				
000e3j	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
000e31		-	-	SSx	-	-	-	-	-	-Mx	-	FS3	-	FS3	-	-	-	-	-	3	3
000e32																					
000e33																	PFx		FMx	FMx	4
000e34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e35																					
000e3e																					4
000e37		-	-	453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
000e3d		-	-	PSx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
000e39																					4
000e40																					4
																					5
000e41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e42																					
000e43																					
000e44																					
000e45																					
000e46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e47																					
000e48																					
000e4v																					
000e50																					

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'e' = IPMAT; 's' = AICHIP
 TIME TO SOX BLOOM (T9):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP/IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	
4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0	
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	
A													1	2	3	1	1	

000e51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e52										PPx							2	
000e53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e55		--2	PSx							PSx	PMx	SSx	PM3	PS3	PM3	PMx	2	2
000e56		-	-	-	-	-	-	-	-	PPx							3	
000e57		--2								PPx							2	2
000e58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e59										--3							3	3
000e60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e61										S-x	S-x		-Sx			PMx	3	
000e62										SSx	PMx	PSx					3	
000e63			PMx							PPx		SSx					2	
000e64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e65										PPx							2	
000e66		-	-	-	-	-	-	-	-	PS3		SSx					2	3
000e67										PPx		PPx	PPx			PPx	3	4
000e68										PMx			PSx				3	
000e69																		
000e70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e71		-	-	-	-	-	-	-	-	SSx		SSx					2	
000e72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e73																		
000e74		--3	--3			--3	--3			PSx	PSx	-3	PSx			PMx	2	3
000e75	--2									PPx	PPx	PMx					0	2

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
 HYBRID STAGE
 'v' = Test cross; '3' = Initial; '2' = Advanced; 'n' = IPMAT; 'g' = AICMIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 55-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP/IPMAT or ELP; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	3	3	3	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	0
	A													1	2	3	1	TB CT

000e76		--3	--3								FPx		F-x			FSx	3	3	
000e77		-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	3	-
000e78		FP2		--3	--2				-Fx		FPx	FSx	-3					3	2
000e79											FPx	FPx	F-x					2	
000e80											FPx						FPx	3	4

000e91		--2							-Fx		FPx	FPx	F-x					2	2
000e92		-	-	-	-	-	-	-	-Fx	-	FPx	FPx	FSx	-	-	-	-	2	
000e93		--2	-3								FPx	FPx	-3	FP3	FP2		FPx	3	2
000e94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

000e96																			
000e97			--3						-Fx		FP3	FS3	FMx	-Fx				4	3
000e98		-	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	0	-
000e99	-	-	-	-	-	-	-	-	-3	-	-	-	F-x	-	-	-	-	2	3
000e90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

000e01		FS2												FP3				3	2
000e02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e03												S-x						3	
000e04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000e05	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

000e96											F-x	F-x		F-x	F-x	FPx		2	
000e97			SSx						-Mx		F-x	SSx	FSx					2	
000e98	-	-	-	-	-	-	-	-	-	-	-	-	-Sx		FSx	FSx		4	
000e99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000700		--2	-M3						-S3		-S3	-S3	-S3	-S3	-M3	FSx	3	2	

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 'c' = AICHIP

TIME TO SUX BLOOM (T9):

1 = < 45d; 2 = 46-50d; 3 = >1-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	9	9	8	2	8	8	9	8	8	8	8	8	2	8	8	8
1	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
1	4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0
1	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0
1	A													1	2	3	1

000701			--B															2	1
000702									-Px		PPx		PSx					2	
000703											SSx	PMx	PS3					3	3
000704											PPx	PPx			--x			3	
000705	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000706		-	-	-	-	-	-	-	-	-	SSx	--x	PSx		-	-	PPx	-	3
000707	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000708																			
000709	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000710		-	--3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
000711																			
000712			MP2									PMx	PSx	PSx	MM3	MS3		PPx	3
000713													--x						6
000714		-	-	-	-	-	-	-	-	-	-	MSx	-	PSx	-	-	-	-	2
000715			-43	-53		--2						-M3	-M3	-P3	-S3	-P3	-P3	-P3	2
000716			--2					--3	--2										2
000717		-	-	PSx	-	-	-	-	-	-	SS3	PS3	-	-	MMx	-	-	-	4
000718				PSx	--3						SSx		PMx	-Sx					3
000719												PMx							3
000720			--2	-M3								-S3	-M3	-S3	-S3	-S3	-S3	-S3	2
000721		-	-	-	-	-	-	-	-	-	SSx	PSx	-	-	-	PSx	PSx	3	
000722				--2							PPx	PPx	PPx	PP3	PP2	PP3	PSx	2	2
000723				SSx							SSx		SSx						2
000724						--2		--3			PPx	PS3	PMx		PP3		PPx	3	2
000725											P-x	--x	PPx	S-x			P-x	3	

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPMAT; 'S' = AICHIP

TIME TO SEX BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	9	8	8	2	9	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	6	6	6	7	7	7	8	
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		A	3	A	A	A	A	A	A	A	4	4	C	0	0	C
	A													1	2	3	1 TB CT

000726		--2	--2								R-x	R-x		PM3			PMx	2	2	
000727		--2									FFx								4	-
000728													F-3	FFx	F-3	FF3	FFx	2	3	
000729		--2											F-x	FF3	FF2			3	2	
000730																		FFx	2	
000731											R-x	R-x							2	
000732					--2	--2					R-x	F-3	PMx	FF3	FF3	FF3	FF3	3	2	
000733						--2					F-3	F-3	FFx	FF3	FF3		PMx	3	2	
000734		--2									PM3	FFx		FF3			PMx	3	2	
000735						--0								PM3	FF2	FF3	FFx	2	1	
000736											FFx	FFx	-3	FF3	--x			4	1	
000737		--2																	2	2
000738						--2					FFx	FFx	FFx	FF3	FF3		F-x	3	2	
000739						--2							PM3		PM3				5	2
000740		--2									FFx	F-x		F-x					2	2
000741											SS3	-MS3							3	3
000742		--2	--2								F-3	F-x	F-3	MF3	FF3				2	2
000743											FFx	FFx	FSx		FFx				2	2
000744						--2					F-x	F-x		FF3	FF3	FF3	FFx	2	2	
000745											FFx	FFx	FFx	-F-x	--x		FFx	3	4	
000746																				
000747						--2					M-x			SS3	SM3		FSx	2	2	
000748											FFx	F-x	-3	FF3			PMx	3	2	
000749		--2												MF3					3	2
000750						--2					FFx	F-3	FFx	FF3	FF3	FF3			3	2

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPMAT; 'S' = AICHIP
 TIME TO SOX BLOOM (TB):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	7	7	8
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0	0	0
1		A	A	4	4	4	8	4	A	A	A	A	C	0	0	0	0	0	0
4													1	2	3	1	1	1	1

000751		--2								PSx	--x		PM3				PMx	4	2
000752			PMx				--2			SSx	--x		PP3	PP2	PP3			2	2
000753		-	-	-	-	FJ2	--2	-	-	-	-	PPx	-	-	-	-	-	0	2
000754		--2																2	2
000755		-	-	PFx			--2	-	-	-	PPx	PPx	PPx					3	2
000756		-	-	-	-	--2	-	-	-	-	-	-	-	-	-	-	-	0	-
000757		--2		--3			--2				PPx	PPx	PMx	PP3				3	2
000758																			
000759		--2									PPx	PPx	PSx					4	2
000760		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
000761		-	3	PMx			--2		-Mx	SSx	SSx	-	3	SS3	PM3			3	2
000762		--2	PSx							PPx	PPx	PSx	PP3			PPx		2	2
000763							--2			PMx	PPx	PMx	PP3	PP2	PP3			3	2
000764		--2								PPx	PPx		PP3	PP3				3	2
000765							--2			P-x			PP3			PMx		3	2
000766		--3																2	-
000767		--3														P-x		4	3
000768		PF2	PSx						-Mx	MSx		PS3	PS3		PP3	PMx		2	2
000769		PS2																3	2
000770		PF2										P-x	PM3	PM3	PM3	PMx		2	2
000771		MS2																0	-
000772		--3	PFx						-Fx	PPx	PPx	PMx		PMx		PPx		3	3
000773		PS2	SSx						-Fx	SSx		SSx	--x					3	2
000774		PF2										P-x	PP3	PP3	PP3			2	1
000775		PS2								PPx		PSx	PM3					2	2

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
 HYBRID TAG:
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'A' = IPMAT; 'S' = AICMIP
 TIME TO 50% BLOOM (T5):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	9	0	8	9	9	9	9	8	9	9	8	9	8	6	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
A													1	2	3	1 TB CT

000776		FF2											FM3	FM3	FF3		3	2
000777		--3								FFx	F-x	FMx	-Fx			F-x	3	3
000778				FM2								F-x	FM3	FF3			2	2
000779				FF2				-Mx		SSx			MS3	MS3		FMx	3	2
000780			FMx	MS2						FFx		MS3	FF3	FM3		FFx	3	2
000781				FF2							SS3	FMx	MM3	MM3		F-x	2	2
000782				--3						F-x	F-x		F-x				2	3
000783	-	-	-	-	-	--3	-	-	-	FFx	-	FFx	-	-	-	-	3	3
000784	-	-	-	-	-	--3	-	-Fx	-	-	-	-	-	-	-	-	2	-
000785			SMx			FS2		-Fx		FFx	FFx	FFx	FF3	FM3		FFx	3	2
000786						MF2				FSx			SS3	SM3		FMx	3	2
000787	-	-	FSx	-	-	--3	-	-	-	SSx	-	FSx	--x	-	-	-	3	3
000788	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	-	-	2	-
000789		FF2	FSx							FSx	FFx	FSx	--x				2	2
000790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000791	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000792										FFx							3	
000793			SSx					-Sx		SSx		SSx					3	
000794			FSx							SS3		FS3					3	3
000795		- 3				--3	--3	MS2		FFx		- 3					2	1
000796										FFx	FFx	FMx	-Fx	--x		FMx	3	
000797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000798			FFx					-Fx		FFx	FFx	FFx	-Fx	--x	FFx	FFx	4	
000799												F-x			FMx	FMx	4	
000800										FSx		S-x		F-x	FSx		2	

“-” = Dropped pollinator;

FERTILITY/STERILITY

“F” = Fertile; “M” = Mixed; “S” = sterile; “-” = Missing data

First letter visual/second letter under beg

HYBRID STAGE

“x” = Test cross; “3” = Initial; “2” = Advanced; “e” = IPMAT; “g” = AICMIP

TIME TO SEX BLOOM (T_S):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP/IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	P	8	P	9	8	P	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O
	1		A	8	6	A	A	A	A	A	A	A	4	O	O	O	O
	4													1	2	3	1

0u0a01						PS2				PFx MM3 P-3 PF3 PF3		PFx	2	2		
0u0a0c						PS2					PM3 PF3	PSx	2	1		
0u0a03		-3				--3				P-x PFx -3 PFx P-3		PMx	2	3		
0u0a04			SMx			--3	-Px			PFx P-3 PFx		P-3 PFx PMx	2	3		
0u0a05						MS2	-Sx				SS3		PMx	3	2	
0u0a06	-	-	PSx	-	-	--3	-Sx	-	SSx SSx SSx	-	--x	-	-	4	3	
0u0a07	-	-	SSx	-	-	--3	-	-	SSx	-	SSx --x	-	-	2	3	
0u0a08	-	-	--3	-	-	-	-	-	MSx	-	MM3 --x	-	-	2	3	
0u0a09			PFx PS2						PFx		--3 PF3 PM3 PM3	P-x	2	1		
0u0a10	-	-	SSx --3	-	-	-	-	-	SSx	-	SSx	-	-	3	3	
0u0a11			PF3 PFx			--3 --2	PF3		PSx PFx P-3 PF3 PF3 PF3	P-x			2	2		
0u0a12						--3					PMx PFx	PMx	4	3		
0u0a13						--3	-Px		PFx PFx		-Px PFx	PFx	4	3		
0u0a14						--3			PFx PFx PSx				3	3		
0u0a15	-	-	PFx --3	-	-	-	-	-	PFx	-	PMx --x	-	-	PSx	2	3
0u0a16						--3	-Mx		SSx SSx -Sx MSx MSx MMx	PFx			2	3		
0u0a17						--3								2	3	
0u0a18	-	-	-	-	-	--3	-	-	-	-	-	-	-	2	3	
0u0a19			PS2 PMx						SS3	PFx PM3 PF3 PM3 PF3	PMx		2	2		
0u0a20						--3				PFx P-x PMx PFx PFx	PSx		2	3		
0u0a21						--3	-Px							2	3	
0u0a22						--3			PFx PMx PMx		PMx PMx PMx		2	3		
0u0a23	-	-	-	-	-	--3	-	-	-	-	-Sx PMx	-	PFx	2	3	
0u0a24	-	-	-	-	-	--3	-	-	-	-	-	-	-	O	-	
0u0a25	-	-	-	-	-	--3	-	-	-	-	-	-	-	2	3	

'-' = Dropped pollinator;

FERTILITY/STERILITY -

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under b3j

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '*' = IPMAT; 'E' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 65d; 2 = 65-50d; 3 = 51-55d; 4 = 55-50d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	9	9	9	4	4	4	9	9	9	9	9	9	9	9	9	9	9
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	A	5	4	1	2	3	1	2	3	1	2	3	C	C	C	C	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	C	C	C	0
	A													1	2	3	1	TB CT

000a20	-	-	PFv	--3	-	-	-	-	-	PS3	PS3	-	--x	-	PFx	-	4	3	
000a27			PFv		--3			-Fx		PFx	PFx	FMx	-Fx		PFx	PFx	2	3	
000a28			PFx			--1		-Fx		PFx	PFx	PSx	-Fx		PFx	PFx	2	3	
000a29								-Fx					FMx	F-3	F-x	PFx	2	3	
000a30	-	-	SV	-	-	--3	-	-	-	-	-	PSx	-	-	-	-	4	3	
000a31	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	0	-	
000a32	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	2	3	
000a33	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	-	-	2	-	
000a34	-	-	-	-	-	--3	-	-	-	-	-	-	-	-	-	-	2	-	
000a35						--3				PFx			PFx	PFx	PFx		2	3	
000a36						--3				SSx	F-x		PFx	PFx			3	3	
000a37		--3		--3			--3						PFx	PFx		PFx	3	3	
000a38						--3		-Fx		SSx	SSx	PSx	--x	PSx	FMx		2	3	
000a39		-	3							FMx		-	3	PF3	PFx		PFx	2	3
000a40			SPx							SSx		F-x	--x	-Fx			2		
000a41													M-x		PFx	PFx		2	
000a42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000a43			--3										F-x					2	3
000a44		--3																0	-
000a45						--3				FMx					PF3	FMx	3	3	
000a46										PFx	PFx	PFx						3	
000a47			--3									S-x		FSx		FSx	2	3	
000a48		PF3	--3							PFx	PFx	FMx						2	3
000a49			SSx					-Mx		SSx		SSx	-Sx	FSx				3	
000a50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual/second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'o' = IPMAT; 's' = AICMIP

TIME TO SOX BLOOM (T9):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	8	8	8	2	2	8	8	8	8	8	8	8	8	8	8	8	8
1	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0	0
1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	0	0
A													1	2	3	1	TS	CT

000651										S-x	S-x		M-x					2	4
000652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000653			SSx							SSx				-x				2	-
000654	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000655																			
000656										P-x	P-x	P-x	P-x					2	4
000657										PSx	PSx	PSx	PSx					2	
000658										S-x	P-x	S-x	S-x	PSx				2	
000659			PPx							PMx	PPx	PSx	PMx					2	
000660										PPx		M-x	PPx			PPx		2	
000661		-	3	SSx						M-x	P-x	P-x	-	3	P-x	PSx	PSx	2	3
000662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
000663													PMx	PMx				2	
000664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000665	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000666																			
000667			PPx							-Px			PPx			PPx	PPx	2	4
000668										-Px			PPx	P-x	PPx	-x	PPx	PMx	4
000669			PMx							-Px			PPx	PPx	PPx	PPx	PPx	PPx	2
000670			PMx							-Px			PPx	PP3	PMx	P-3	PP2	PPx	2
000671	-	-	-	-	-	-	-	-	-	-Px			PPx	PPx	PMx		PP3		2
000672													PMx	PPx	PPx				3
000673													PPx	PPx			PPx	PPx	3
000674			PPx										PPx	PPx	PPx	-x	P-3	PPx	3
000675				PP3						-Px			PPx		PPx			PMx	PMx

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under dot
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; 'E' = AICMIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 45-50d; 3 = >1-55d; 4 = 55-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	C	0	
	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	
	A													1	2	3	1	TB CT

000676	-	-	PMx	-	-	-	-	-	-	-	PFx	-	FSx	--x	-	-	-	2	-
000677	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000678	-	-	PMx	-	-	-	-	-	-	-	FS3	-	MS3	-Sx	-	-	-	3	3
000679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000680	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000681	-	-	PFx	-	-	-	-	-	-	-	PFx	PFx	PFx	--x	S-x	-	-	3	1
000682	-	-	-	-	-	-	-	-	-	-	PFx	PFx	F-x	-	PFx	PFx	2	1	
000683	-	-	-	-	-	-	-	-	-	-	PFx	PF3	PMx	-	PFx	PFx	2	3	
000684	-	-	-	-	-	-	-	-	-	-	PFx	-	FSx	-	-	-	-	2	-
000685	-	-	FSx	-	-	-	-	-	-	-	SSx	SSx	SS3	-	-	-	-	2	3
000686	-	-	-	-	-	-	-	-	-	-	FN3	-	PMx	PF3	F-3	-	-	4	3
000687	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000688	-	-	-	-	-	-	-	-	-	-	-	-	PM3	-	F-x	-	PMx	3	3
000689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000690	-	-	PMx	-	-	-	-	-	-	-	PFx	-	PF3	--x	--x	PFx	-	2	3
000691	-	-	-	-	-	-	-	-	-	-	-	-	MS3	--x	-	PFx	PMx	4	3
000692	-	-	-	-	-	-	-	-	-	-	-	-	PF2	-	-	-	-	3	2
000693	-	-	-	-	-	-	-	-	-	-	PFx	-	F-3	-	PFx	PMx	PMx	3	3
000694	-	-	-	-	-	-	-	-	-	-	PFx	-	PF3	--x	PFx	-	PFx	2	3
000695	-	-	-	-	-	-	-	-	-	-	-	-	PF3	PFx	-	-	PFx	2	3
000696	-	-	PFx	-	-	-	-	-	-	-	FS3	-	PF3	-F-x	F-x	-	PFx	2	3
000697	-	-	-	-	-	-	-	-	-	-	-	-	PF3	-F-x	-	PFx	PFx	2	3
000698	-	-	-	-	-	-	-	-	-	-	PFx	PFx	PFx	-	-	-	-	3	1
000699	-	-	-	-	-	-	-	-	-	-	PM3	F-x	PFx	-F-x	PFx	-	PMx	3	3
000700	-	-	PMx	-	-	-	-	-	-	-	PF3	-	FS3	--x	--x	-	PFx	3	3

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '+' = IPMAT; 's' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	8	8	8	8	8	9	8	9	2	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	
1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0	
A													1	2	3	1 T8 CT	

000901			SSx	--3					-Mx		PMx	PMx	SSx			PMx	PMx	3	3
000902			PFx						-Px		PFx		PFx	--x	PF2	PMx	PMx	2	2
000903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000904														PFx	PFx	PFx	PMx	3	
000905		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
000906		-	-	-	PF3	-	-	-	-	-	-	-	-	-	-	-	-	0	-
000907		-	-	-	-	-	-	-	-Px	-	-	-	-	--x	--x	-	-	2	-
000908			PFx								PFx	PFx		--x				2	
000909									-Px		PFx	P-3		PFx			P-x	2	3
000910		-	-	FSy	-	-	-	-	-	-	PFx	-	-	SS?	-	-	-	2	-
000911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000913			SSx						-Mx		SSx	Sx	SSx	-Sx			PSx	2	
000914														P-x	-Mx			PSx	2
000915		-	-	-	-	-	-	-	-	-	PSx	-	-	-	-	-	-	3	-
000916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000918									-Px		PFx			--x				2	
000919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000920											SSx	PFx	-Mx					3	
000921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000922																			
000923									-Px									3	
000924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000925			FSy								PF3	PFx	PS3	-Px			PFx	3	3

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bpg
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 's' = AICHIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	2	3	3	3	8	9	8	9	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	C	
1		A	A	1	A	A	8	A	A	A	A	C	0	0	0		
A												1	2	3	1	TB CT	

000426			FPx															2	
000427	-	-	FSx	-	-	-	-	-	-	-	FSx	FPx	FSx	-x	-x	-	-	3	-
000428	-	-	FPx	FP3	-	-	-	-	-	-	FPx	FPx	FSx	-	-	-	-	2	-
000429			FMx								FPx	FPx	FSx	FPx				2	
000430			FSx								FPx	FPx	FMx					2	
000431											FSx	FMx		FMx	FMx	FSx	FMx	2	
000432	-	-	-	-	-	-	-	-	-	-	-	FMx	-	-	-	-	-	2	-
000433			FMx								FSx	FMx	FSx	FMx	FMx		FMx	2	
000434			SSx								SSx		SS3			FMx		3	3
000435	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000436	-	-	FMx	-	-	-	-	-	-	-	FM3	FPx	FMx	-	-	-	-	3	3
000437	-	-	-	-	-	-	-	-	-	-	SS3	SS3	SSx	-	-	-	-	5	3
000438											SSx	-x	FMx	-x	-x			5	4
000439	-	-	SSx	-	-	-	-	-	-	-	SSx	SSx	-	-	-	-	-	4	
000440	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000442												FPx		FPx		MSx	F-x	3	3
000443	-	-	SSx	-	-	-	-	-	-	-	SSx	FSx	FSx	-	-	-	-	3	-
000444	-	-	-	-	-	-	-	-	-	-	FPx	FMx	FSx	-	-	-	-	3	-
000445			FPx								FPx							3	
000446																			
000447											FPx	FPx					FMx	4	
000448											FPx							3	
000449	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPMAT; '8' = AICMIP

TIME TO SUX BLDUM (T9):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or FLPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	9	8	A	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
	A													1	2	3	1

000951			FFx						-Fx	FFx	FFx	PMx	-Fx	FFx	FFx	PMx	2	3
000952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000954			PSx						-Fx	FFx	FFx	PSx	PMx	FFx	FFx	PMx	2	1
000955									-Fx	FFx	FFx	PMx	FFx	FFx		PSx	2	
000956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000957											PSx						2	
000958			SSx						-Mx	SSx	SSx	MPx				PMx	3	
000959		-	-	-	-	-	-	-	-	-	-	-	-Fx	FFx		-	3	
000960										FFx	F-x		FFx			FFx	3	
000961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000962		-	FSx						-Sx	SSx	SSx	SSx	--x	--x			3	
000963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000964		-	FFx						-	SSx	PSx	SSx					2	
000965		-	PMx						-Fx	FFx		PSx					3	
000966			FSx							FFx	FFx	PSx						3
000967		-	FFx						-		FFx	PMx					2	
000968										FFx	FFx	F-x	FFx			F-x	2	
000969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000970			FMx						-Fx	PM2	PMx	PM3	FFx				3	2
000971		-	-	-	-	-	-	-	-Fx	-	-	-	-	-	-	-	2	-
000972			PSx							FFx	FFx	F-x			F-x		2	
000973	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
000974										FFx	FFx	FFx	FFx	FFx		FFx	6	4
000975			FFx							FFx	FFx	FFx					3	

"-" = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visible, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '*' = IPMAT; 'S' = AICMIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = >1-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	9	8	8	8	2	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0
	A													1	2	3	1

001001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001002																				2
001003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001004																				2
001005																				3
001006																				3
001007																				2
001008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001010																				3
001011																				2
001012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001014																				2
001015																				2
001016																				2
001017	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001018																				3
001019																				3
001020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001022																				3
001023																				3
001024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual/second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '*' = IPMAT; '8' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	2	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0
	1		A	A	4	A	A	A	3	A	A	A	4	C	0	0	0	0
	A													1	2	3	1	TB CT

001026										-Px		FPx FPx	FPx			FPx	3			
001027												FP3 FP3	PMx			FPx FSx	4	3		
001028			FMx									FS3	MS3	FPx			FPx	3	3	
001029		-	-	-	-	-	-	-	-	-	-	-FP3	-	-	-Px	-	-	-	3	
001030			FMx									FS3		FS3					3	3
001031												FP3 FPx	FPx	-Mx			FSx	4	3	
001032			FPx									FP3 FPx	FS3	-Px				3	3	
001033													FPx		FPx			FPx	4	4
001034									-Px			FPx FPx	FPx		-x				4	
001035		-	-	FMx	-	-	-	-	-Px	-	FP3	-	FS3	-	-	-	-Px	2	3	
001036		-	-	-	-	-	-FP3	-	-	-	-	-	-	-	-	-M-x	0	-		
001037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001038	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001039			FPx									FP3 FP3	FS3				FMx	2	3	
001040													FP3	-x		FPx	FMx	4	3	
001041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001042														S-x	-Mx	FMx		FMx	2	
001043									-Px			FMx		FMx					2	
001044		-	-	-	-	-	-	-	-	-	-	-SSx	FPx	FMx	-x	-x	-	-	3	-
001045		-	-	-	-	-	-	-	-	-	-	-MSx	SSx	MSx	-x	-	-	-	3	
001046												FPx	FS3	FMx		-x		FPx	4	3
001047												FPx			-x	-x		FPx	3	
001048												FPx	FSx		-Px				4	
001049												FPx FPx	FSx					FSx	3	
001050		-	-	-	-	-	-	-	-	-	-	-SSx	FPx	-	-	-	-	-	2	

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'u' = IPMAT; '6' = AICMIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	9	8	8	8	8	8	9	9	8	8	8	9	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	C	C	C
	A													1	2	3	1	1

001J51																PPx		PPx	3									
001J52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-								
001J53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-								
001J54																PPx	PPx	PMx	PSx	-x	PPx	PMx	2	3				
001J55																		PMx	PMx			PMx	3					
001J56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
001J57				PPx														P-x					2	4				
001J58																			PPx	PPx	PMx	-Px		P-x	PPx	3		
001J59				PPx																					3			
001J60																									2	3		
001J61																			PPx	PPx	PMx					4	3	
001J62				PSx																						3		
001J63				PMx																						2	4	
001J64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								3		
001J65	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-		
001J66																										3		
001J67				P-3															PPx	PPx		-Px	PPx		PSx	4	3	
001J68																										3		
001J69																										2		
001J70																										P-x	3	
001J71																											2	3
001J72																											4	
001J73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-		
001J74				SSx																							2	3
001J75				SSx																							2	

'-' = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPMAT; 'S' = AICHIP
 TIME TO SUX BLOOM (T9):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	3	2	4	4	3	5	5	5	6	6	7	7	7	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	7	7	7	8	8	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	C	C	
	1		A	2	A	A	2	A	A	A	A	A	C	0	0	0	0	
	A												1	2	3	1	TB CT	

001076											F-3	F-x	FMx	S-x				2	3
001077													S-x			F-x	FSx	2	
001078	-	-	-	-	-	-	-	-	-	-	FS3		SSx		-	-	-	2	3
001079	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001080											FFx				-	-	-	3	-
001081											M-x	F-x		M-x				2	
001082									S-x		SSx	SSx	SSx					2	
001083											FFx	FFx	FMx			FFx	FFx	2	
001084	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001085	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001086	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001087											FFx	FFx	FSx					3	-
001088													FF3	-x	FFx		FFx	3	3
001089											FFx	FF3	FFx	FFx	FFx			3	3
001090	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001091											FSx		FSx	S-x	F-x		F-x	2	
001092											S-x			S-x		FFx	3		
001093																			
001094	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001095	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001096											FMx	FFx	FSx	FF3	-x			2	-
001097											F-x	F-3	F-3	FMx	FFx			2	3
001098											FFx	FFx	FMx			FMx	FFx	2	
001099	-	-	-	-	-	-	-	-	-	-					-	-	-	-	-
001100									F-x		FFx		F-x					2	

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; 's' = AICHIP

TIME TO 50% BLDUM (TB)

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 55-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT)

1 = AICHIP, IPMAT or SLPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	9	9	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8
	4	8	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0
	1		4	4	4	4	4	4	4	4	4	4	4	C	0	0	0	0
	A													1	2	3	1	TC(CT)

0J1101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0J1102											PSx	PSx	PSx		PMx		PPx	3	
0J1103												SSx		-Sx	PMx		PMx	3	
0J1104																			
0J1105	-	-	-	-	-	-	-	-	-	-	-	SSx							2
0J1106		-	-	-	-	-	-	-	-	-	PPx	PPx	PMx	-x	-x				2
0J1107				SSx							SS3	PSx	PP3	-Sx	PSx		PMx	3	3
0J1108				SSx							SP3		SS3			PPx	PSx	3	3
0J1109	-	-	-	-	-	-	-	-	-	-	PSx	PMx	PSx	PSx			PPx	2	
0J1110	-	-	-	-	-	-	-	-	-	-									
0J1111	-	-	-	-	-	-	-	-	-	-									
0J1112				PMx							SSx	SSx	SSx	-x	-x		PMx	2	
0J1113	-	-	-	-	-	-	-	-	-	-									
0J1114															-Px		PMx	4	
0J1115											-Px	PPx			PMx		PPx	2	
0J1116				PMx							PS3	PSx	MS3			PPx	PPx	2	3
0J1117		-	-	PMx						-Mx			PPx	PMx				2	
0J1118	-	-	-	-	-	-	-	-	-	-									
0J1119	-	-	-	-	-	-	-	-	-	-									
0J1120	-	-	-	-	-	-	-	-	-	-									
0J1121				PMx							PPx	PPx	PSx			PPx	PSx	2	
0J1122																			
0J1123	-	-	-	-	-	-	-	-	-	-									

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 VISUAL STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'o' = IPMAT; 'g' = AICHIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	C	C
	A													1	2	3	1	10	CT

OU1126	-	-	-	-	-	-	-	-	-	-	FSx	FSx	SSx	-Mx	-	-	FMx	3	-
OU1127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1130	-	-	SSx	-	-	-	-	-	-	-	SS3	SSx	SSx	-Mx	-	-	-	2	3
OU1131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MSx	FMx	-	2	-
OU1132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-
OU1133	-	PM3	-	-	-	-	-	-	-	-	-	-	PF3	-F-x	-	PFx	F-x	4	3
OU1134	-	-	-	-	-	-	-	-	-	-	-	-	PF3	-F-x	PFx	PFx	FMx	3	3
OU1135	-	-	PFx	-	-	-	-	-	-	-	PFx	FMx	-	-	-	-	-	4	-
OU1136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	MSx	FMx	3	-
OU1137	-	-	FMx	-	-	-	-	-	-	-	PS3	SMx	-	-	-	-	-	3	3
OU1138	-	-	SMx	-	-	-	-	-	-	-	MS3	S-x	-	-	-	-	-	2	3
OU1139	-	-	-	-	-	-	-	-	-	-	PFx	FMx	FMx	-	-	-	-	3	-
OU1140	-	-	-	-	-	-	-	-	-	-	-	PFx	-	-	-	-	-	0	-
OU1141	-	-	-	-	-	-	-	-	-	-	S-x	S-x	FMx	S-x	-	-	-	3	-
OU1142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1143	-	-	-	-	-	-	-	-	-	-	S-x	N-x	-	F-x	-	-	-	2	-
OU1144	-	-	SSx	-	-	-	-	-	-	-	S-x	S-x	SSx	S-x	-	FMx	FMx	2	4
OU1145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FMx	-	4	-
OU1148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "a" = IPMAT; "s" = AICHIP
 TIME TO SOX BLOOM (TB):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
1	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0
1	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0
1	A													1	2	3	1	TO CT

OJ1151	-	-	-	-	-	-	-	-	-	-	SSx SSx	-	--x	-	-	-	-	2	-
OJ1152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1154			SSx								-Mx	S-x S-x	SSx S-x					3	
OJ1155	-	-	--2	-	-	-	-	-	-	-	-	-	-	PM3 PS3 PM3				2	2
OJ1156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1157	-	-	-	-	-	-	-	-	-	-	SSx	-	PPx	-	-	-	-	2	-
OJ1158											PMx P-x		S-x					3	
OJ1159											P-x PP3	P-3	P-x					2	3
OJ1160											P-x P-x		P-x					3	
OJ1161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1165																			
OJ1166	-	-	-	-	-	-	-	-	-	-	P-x P-x		P-x					2	4
OJ1167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1168																			
OJ1169											SSx SSx	PSx	-Sx	P-x				PMx	2
OJ1170												P-x						P-x PPx	2
OJ1171											PMx								3
OJ1172	-	-	PMx	-	-	-	-	-	-	-	-	PPx	-	--x	-	-	-	-	4
OJ1173			PP3								PPx		PMx					PPx	3
OJ1174													PP3 PSx					PPx	2
OJ1175																		PPx	3

'-' = Dropped pollinator;
FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 's' = AICHIP
TIME TO SEX BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O		
1		A	A	A	3	A	A	A	A	A	A	A	C	C	O	C		
A													1	2	3	1 TB CT		

OU1176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1177			--2	FFx																
OU1178																				
OU1179				FFx																
OU1180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1184	-	-		FFx																
OU1185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1186																				
OU1187																				
OU1188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1189																				
OU1190	-	-	-	FMx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1191																				
OU1192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1193																				
OU1194	-	-	-	FFx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1195				FSx																
OU1196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1197																				
OU1198				FSx																
OU1199																				
OU1200				FMx																

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual/second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; '•' = IPMAT; 'S' = AICHIP
 TIME TO 50% BLOOM (T₅₀):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPH; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	9	9	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0
	A													1	2	3	1

0U1201	-	-	SSx	-	-	-	-	-	-	-	PS3	-	PS3	-	-	-	-	2	-
0U1202											PSx	P-x	S-x	-Sx	PMx		PMx	2	
0U1203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1205			PMx	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-
0U1206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1208											MSx	P-x		P-x				3	
0U1209											PSx	PMx	PSx	S-x	PSx			3	
0U1210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1211																			
0U1212																			
0U1213			PF2											PF3				3	2
0U1214											P-x							3	
0U1215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1216			PFx					-Px		PFx	PMx	PSx	PFx	PFx				3	
0U1217			PFx					-Px		PFx		PMx	PFx	PFx				3	
0U1218												PF3	-Mx					4	3
0U1219																			
0U1220		-	PFx	-	-	-	-	-	-	-	PFx	PFx	-	-x	-	-	-	4	
0U1221														-Px				3	
0U1222											PMx	PMx	P-x					2	
0U1223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
0U1224		-	PSx	-	-	-	-	-	-	-	MS3	-	MS3	-	-	-	-	2	3
0U1225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '-' = IPHAT; 'C' = AICHIP

TIME TO 50% BLOOM (TE):

1 = < 65d; 2 = 66-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPHAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
	4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0	0	
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	C	
	A													1	2	3	1	TB CT	

001226		-	-	FMx	-	-	-	-	-	-	SS3	-	SSx	-	-	-	-	2	-
001227											SSx	FFx	FSx		FMx		FFx	2	
001228		-	-	FFx	-	-	-	-	-	-	FFx	FFx	-	--x	-	-	-	3	-
001229											FFx	FFx	FFx	--x	FFx		FFx	3	
001230														-Fx			-Fx	4	
001231											FFx	FFx		F-3				4	2
001232											SSx	--x		--x				3	
001233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001234		-	FF3	-	-	-	-	-	-	-	-	FFx	FFx	-	FF3	-	-	-	2
001235											FFx	FFx	FFx	FFx			FFx	4	
001236		-	-	-	-	-	-	-	-	-	FFx	FFx	-	--x	-	-	-	0	-
001237											FF3		FFx	-Fx			FFx	3	3
001238											FF3	FF3			FFx			4	3
001239												FFx	FFx	FS3	FFx		FFx	4	2
001240		-	-	FFx	-	-	-	-	-	-	-	FS3	FFx	FM3	F-3	-	-	-	3
001241														-Sx				3	
001242		-	-	FFx	-	-	-	-	-	-	FF3	-	FS3	-	-	-	-	2	-
001243														S-x				3	
001244		-	-	SSx	-	-	-	-	-	-	-	SSx	FMx	-	--x	-	-	-	3
001245													SS3	FMx		FFx	FSx	2	3
001246													FF3	-Fx			FFx	3	3
001247													FF3	-Mx	FFx	FFx	FMx	4	3
001248																	FMx	4	
001249			FF3								SSx	FFx				FFx	FFx	3	3
001250		-	-	FFx	-	-	-	-	-	-	-	FFx	FFx	-	--x	-	-	-	4

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 's' = AICHIP

TIME TO 50% BLOOM (TR):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	S	B	B	B	S	B	B	B	B	B	B	B	B	B	B	B	B	B	B
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O	O	
	1		A	A	2	A	A	A	A	A	A	A	A	C	O	O	O	O	
	A													1	2	3	1	TB CT	

OJ1251											PF3	PF3	PF3		PFx	PFx	PMx	4	3
OJ1252	-	-	PFx	-	-	-	-	-	-	-	PFx	PFx	-	--x	-	-	-	3	3
OJ1253			PFx								PF3	PFx	PF3		--x	PFx	PMx	3	3
OJ1254			PF3	PFx							PF3	PFx	PFx	-Px		PFx	PMx	3	1
OJ1255	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1256			PFx								PF3		SS3	PSx			PMx	3	3
OJ1257	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1258			PF3								-	-	-	-	-	-	-	3	-
OJ1259											-Px	PFx	PFx					3	-
OJ1260											-	PFx	-	-	-	-	-	3	-
OJ1261											-	PFx	-	PSx				3	
OJ1262											PF3							3	3
OJ1263											PMx	PMx	PFx		PSx		P-x	3	
OJ1264											PMx	PFx	PMx		--x	PFx	PMx	2	
OJ1265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1266													PF3		PFx		PMx	2	3
OJ1267			PFx								PFx		PF3					2	3
OJ1268			PFx								-Px	PFx	PF3	PFx	P-x		P-x	2	3
OJ1269			PFx								PF3		PF3	PFx	P-x		PFx	2	3
OJ1270	-	-	-	-	-	-	-	-	-	-	PFx	-	-	-	-	-	-	2	-
OJ1271			PFx								PFx	PFx	PFx	PFx	PFx		PMx	3	
OJ1272											PFx	PFx	PFx				PFx	3	
OJ1273			PFx								PFx	PFx	P-x	PF3	PFx	--x	P-x	3	3
OJ1274																		4	4
OJ1275											PMx	PMx	PFx					3	

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bar;
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 'g' = AICHIP
 TIME TO 50% BLOOM (T50):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	9	8	8	9	9	9	9	9	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	C		
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	C		
A													1	2	3	1	CT	

OJ1276	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1277											FFx	FFx					FFx	3
OJ1278													FFx					3
OJ1279											FFx	FFx	FFx	F-3	F-x	--x	FFx	3 3
OJ1280			FFx								FFx	FFx	FF3	--x		--x	FMx	3 3
OJ1281									-Fx		FFx	FFx	FFx	--x			FFx	3
OJ1282											FFx	--x	FSx					2
OJ1283				FS3							FFx		FMx				FFx	2 3
OJ1284											FSx	FFx	FSx	--x		--x		3
OJ1285											FFx		FMx					3
OJ1286														-Sx				0
OJ1287		-	-	-	-	-	-	-	-	-	-	SSx	SSx	--x		--x		4
OJ1288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1289	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1291											FM3	--x	FSx	F-x				3 3
OJ1292											FFx			F-x	F-x		FFx	3
OJ1293											SSx	FFx	SSx					0
OJ1294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1297									-Fx		FFx	FSx	FFx	FFx			FFx	2
OJ1298	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1299											FMx	FSx		-Fx				4
OJ1300																		

--- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

first letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '4' = IPMAT; '2' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	O	O	C		
	1		A	A	A	A	A	A	A	A	A	A	A	C	O	O	O		
	A													1	2	3	1	TBCT	

001301	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001302	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001303		--2												F-x		PPx	PPx		O
001304		--2																	O
001305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
001306			-3				--9							PSx	SSx	-3	SS3	SM3	--x
001307			-3				--6							PPx	PPx	-3	PP3		--x
001308			-3				--6							PMx		-3			
001309			--9	M3										-P3					
001310														--2					
001311							--2								F-x	PP3	PPx		PPx
001312																			
001313		--2																	
001314		--2	PP2														MS3		
001315															PPx		PP3	PP3	
001316				--3											PMx	F-x	MS3	PM3	PPx
001317															PMx	M-3	PMx	PP3	PP3
001318			--3	M3											-M3	-M3	-M3	-S3	-P3
001319			--2																
001320			--2												PMx	PMx	PSx	PM3	
001321			--2													PSx		SS3	PS3
001322			--2												PPx	PPx	F-3		PP2
001323			--2															PP3	
001324			--3																PPx
001325			--3																PPx

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under ovg
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'e' = IPMAT; 'E' = AICMIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	9	8	8	2	9	2	9	9	9	9	9	9	2	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	0	C	C
	1		4	4	4	4	4	4	4	4	4	4	4	C	0	C	0
	4													1	2	3	1

0U1326		--3									FFx	FMx		FFx		FMx	0	3		
0U1327		--3									FSx	FSx	FSx	-Mx				0	3	
0U1328																			0	3
0U1329		--3	-M3								-P3	-M3	-M3	-P3	-P3	-M3	FMx	0	1	
0U1330		--2	-S3								-S3	-S3	-S3	-M3	-S3	-S3	-S3	0	2	
0U1331		--3									FMx	FMx	FMx	FFx		FFx	FMx	0	3	
0U1332		-PS2	--3															0	2	
0U1333																				
0U1334												FMx		FFx	FFx	FFx		0	3	
0U1335		--3	--3															0	3	
0U1336			--3								FSx	FMx	FSx			FMx	FMx	0	3	
0U1337		--3										FMx				FFx		0	3	
0U1338		--3	--3															0	3	
0U1339		M32											M-x			FM3		0	2	
0U1340		--3									FF3	FFx	--2		FMx		FMx	0	3	
0U1341													M-x	FSx		FM-x		0	1	
0U1342		--3									FMx	FSx	FSx	FFx	FMx		FM-x	0	3	
0U1343											FSx	FSx	FSx	FFx	MMx		FFx	0	3	
0U1344											FFx		M-x			FFx		0	1	
0U1345		--3									FMx							0	3	
0U1346		MP2	--3								FSx	FSx	FSx		FF2		FMx	0	2	
0U1347		FP2										SSx	S-x					0	2	
0U1348			PSx	--3							FFx	FFx	FM-x					0	3	
0U1349		--3	PS2								FF3	FFx	FSx		FF2		FMx	0	2	
0U1350		--3										MSx					FMx	0	3	

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under DAG
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'e' = IPMAT; 's' = AICHIP
 TIME TO SOX BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0	0
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	0
A													1	2	3	1	1	1

OU1351		--3																	0	3
OU1352		FF2																	0	2
OU1353			--3																0	3
OU1354		-3																	0	1
OU1355		--3																	0	3
OU1356			--2																0	2
OU1357						--2													0	2
OU1358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-
OU1359						M-3													0	3
OU1360		FF3				MM3													0	3
OU1361						MM3													0	3
OU1362	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OU1363						MM3													0	3
OU1364						FF3													0	3
OU1365			FSx	FS3															0	3
OU1366																			0	3
OU1367	-	FS3	-	FS3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	3
OU1368																			0	3
OU1369																			0	3
OU1370																			0	3
OU1371																			0	3
OU1372																			0	3
OU1373																			0	3
OU1374																			0	3
OU1375																			0	3

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visible, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; '8' = AICHIP

TIME TO 50% BLOOM (TB):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; C = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELON; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	S	B	B	B	B	B	B	B	B	P	B	P	B	B	B	B	B
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	4	3	4	1	2	3	1	2	3	1	2	3	C	O	O	O
	1		A	A	A	A	A	A	A	A	A	A	A	C	O	O	C
	A													1	2	3	1(TB CT)

001376				PF3							F-x	F-x		F-x			0	3		
001377				PF3							F-x	F-x		F-x			0	3		
001378				PF3										F-x			0	3		
001379	-	-	PFx	PF3	-	-	-	-	-	-	-	-	-	PFx	-	-	0	-		
001380	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	F-x	0	1		
001391	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
001392	-	-	-	FS3	-	-	-	-	-	-	-	-	-	-	-	-	0	3		
001393				PF3									F-x		PFx	PFx	F-x	0	3	
001394				MM3							SSx		F-x	-Fx	PSx	SSx		0	3	
001395				PM3								FMx	FMx		FMx		FMx	0	3	
001396				PF3										-Fx				0	3	
001397	-	-	SSx	-	-	-	-	-	-	-	-	SSx	SSx	-	-	-	-	0	1	
001398											MSx	FMx	FSx	-Mx	PSx	FS3	FMx	0	3	
001399														FS3		PFx		0	3	
001400	-	-	-	-	-	-	-	-	-	-	-	-	-	FS3	-	-	-	0	-	
001401	-	-	-	-	-	-	-	-	-	-	-	-	-	FS3	-	-	-	0	3	
001402														FS3		PFx	FMx	PFx	0	3
001403				PF3									PFx		F-x	PFx	PFx		0	3
001404				PF3									PFx	PFx	PFx	PFx	PFx	PFx	0	3
001405	-	FS3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	
001406	-	PF3	SSx	-	-	-	-	-	-	-	PFx	PFx	PFx	-	-	-	-	0	-	
001407		FS3												F-x				0	3	
001408			SSx				PM3				SSx	SMx	SSx	-Fx	PFx		FMx	0	3	
001409	-	FS3	FSx	-	-	-	-	-	-	-	SSx	-x	SSx	-	-	-	-	0	3	
001400							FS3				FSx	FSx	FSx	-Mx	PSx	FMx	FSx	0	3	

- = Dropped pollinator;
 FERTILITY/STERILITY
 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data
 First letter visual, second letter under bag
 HYBRID STAGE
 'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 'a' = AICMIP
 TIME TO SOX BLOOM (TS):
 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	8	8	8	8	8	8	9	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0
	1		4	4	2	A	A	2	4	2	A	A	A	C	0	0	0
	A													1	2	3	1(TB)(CT)

0J1401											PMx	PMx	PSx				F-x	0	3	
0J1402											SSx	SSx	SBx	-Sx	PMx		PPx	0	3	
0J1403																		0	3	
0J1404											PMx	PSx	PSx					0	3	
0J1405											PPx	PPx	P-x	PPx	PPx		PPx	0	3	
0J1406																		0	3	
0J1407																		0	3	
0J1408		-	FS3	-	-	-	-	-	-	-								0	-	
0J1409			PM3															0	3	
0J1410			PF3								PPx		P-x				PPx	P-x	0	3
0J1411			PF3								P-x		P-x					0	3	
0J1412			PF3								PPx	PMx	P-x					0	3	
0J1413			PS3															0	3	
0J1414			PS3								PSx	PPx	S-x					0	3	
0J1415			PF3								-P-x	PPx	PPx					0	3	
0J1416			PF3															0	3	
0J1417		-	PM3	-	-	-	-	-	-	-	PF3	-	-	-	-	-	-	0	-	
0J1418		-	PM3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	
0J1419		-	PF3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	
0J1420			MS3															0	3	
0J1421		-	PF3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	-	
0J1422			FS3									PMx	M-x			SSx	P-x	0	3	
0J1423			MS3								MF3		M-x			SSx	P-x	0	3	
0J1424																		0	3	
0J1425																		0	3	

"-" = Dropped pollinator;
 FERTILITY/STERILITY
 "F" = Fertile; "M" = Mixed; "S" = sterile; "-" = Missing data
 First letter visual/second letter under bag
 HYBRID STAGE
 "x" = Test cross; "3" = Initial; "2" = Advanced; "4" = IPMAT; "E" = AICMIP
 TIME TO 50% BLOOM (TB):
 1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
 CATEGORY OF POLLINATOR (CT):
 1 = AICMIP, IPMAT or ELPM; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

Table with 20 columns containing numerical values (1-9) and letters (A, B, C) representing data points or identifiers.

Main data table listing entries from 001420 to 001450 with associated alphanumeric codes and values in a grid-like format.

Legend and definitions:
'- ' = Dropped pollinator;
FERTILITY/STERILITY: 'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = missing data
First letter visual, second letter under bag
HYBRID STAGE: 'x' = Test cross; '3' = Initial; '2' = Advanced; 'o' = IPMAT; 'a' = AICHIP
TIME TO 50% BLOOM (T50): 1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified
CATEGORY OF POLLINATOR (CT): 1 = AICHIP/IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

1	5	2	2	2	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	8	8
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0	0	0	0
1		A	A	A	A	A	A	A	A	A	A	A	C	0	0	0	0	0	0	0
A													1	2	3	1	T	B	C	T

OJ1451				FF3									FFx	F-x	-Fx	FFx	F-x			0	3	
OJ1452				FF3										F-x	-Fx	FFx	FMx	FMx		0	3	
OJ1453								FF3						FMx	FSx	F-x	FFx	F-x	FFx	0	3	
OJ1454		FM3	FS3												F-x		FFx	F-x		0	3	
OJ1455			FM3										FFx		F-x		FFx	F-x		0	3	
OJ1456		MS3												FMx	FMx	FSx				0	3	
OJ1457				FF3										FMx	FMx	FSx				0	3	
OJ1458				FF3									FFx		F-x	FFx		FFx	FFx	0	3	
OJ1459	-	-	-	FS3	-	-	-	-	-	-	-	-	-	-	-	-	FMx	FFx	FMx	FFx	0	3
OJ1460							FF3								F-x	-Fx	FFx	F-x	F-x	0	3	
OJ1461			MF3										FFx	F-x	FFx	-Fx	FFx		FFx	0	3	
OJ1462			FF3											FMx	F-x					0	3	
OJ1463							FS3							F-x	F-3	F-x	-Mx	FMx	F-x	FFx	0	3
OJ1464									FF2						FM2					0	2	
OJ1465															F-x		FMx	F-x		0		
OJ1466															F-x		FFx	F-x		0		
OJ1467		-	3												-	3	FSx	FFx	F-x		0	3
OJ1468		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FS0	-	-	-	0	1
OJ1469		-	3														FM0				0	1
OJ1470		-	3														FM0				0	1
OJ1471													FM0								0	1
OJ1472		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FF2	-	-	-	0	2
OJ1473		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FF2	-	-	0	2
OJ1474																		FM2			0	2
OJ1475		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	FM2	-	-	0	2

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; '0' = IPMAT; 'S' = AICHIP

TIME TO SOX BLOOM (TB):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	6	8	5	9	9	8	9	9	8	8	8	8	8	8	8	8	8
	1	1	3	3	4	4	4	5	5	5	6	6	7	7	7	7	8	
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	C	C	
	1		A	A	2	2	4	2	2	2	A	A	A	C	0	0	C	
	A													1	2	3	1 T8 CT	

OJ1476	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OJ1477		-	-	-	-	-	-	-	-	-	-	-	-	-	-	FM2	-	0	2	
OJ1478		-	-	-	-	-	-	-	FF2	-	-	-	-	-	-	-	-	0	2	
OJ1479									FF2										0	2
OJ1480		-	-	-	-	-	-	-	FM2	-	-	-	-	-	-	-	-	-	0	2
OJ1481									MM2										0	2
OJ1482														FF2					0	2
OJ1483															FM2				0	2
OJ1484														MS2					0	2
OJ1485														FM*					0	1
OJ1486														FF*					0	1
OJ1487		-	-	-	-	-	-	-	-	-	-	-	-	FS2	-	-	-	-	0	2
OJ1488														FM2					0	2
OJ1489		-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	-	-	-	0	3
OJ1490											SS3								0	3
OJ1491		-	-	-	-	-	-	-	-	-	FS3	-	-	-	-	-	-	-	0	3
OJ1492		-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	-	-	-	0	3
OJ1493											FF3								0	3
OJ1494		-	-	-	-	-	-	-	-	-	MM3	-	-	-	-	-	-	-	0	3
OJ1495												FF3							0	3
OJ1496												MS3							0	3
OJ1497		-	-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	-	-	0	3
OJ1498		-	-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	-	-	0	3
OJ1499		-	-	-	-	-	-	-	-	-	-	MS3	-	-	-	-	-	-	0	3
OJ1500												FF3							0	3

- = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'A' = IPMAT; 'B' = AICMIP

TIME TO SOX BLOOM (TB):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	0	0	0	0		
1		A	A	A	A	A	A	A	A	A	A	A	0	0	0	0		
A													1	2	3	1	TB CT	

0U1501													SS3					0	3
0U1502	-	-	-	-	-	-	-	-	-	-	-	-	SS3	-	-	-	-	0	3
0U1503														PF3				0	2
0U1504	-	-	-	-	-	-	-	-	-	-	-	-	-	PS3	-	-	-	0	3
0U1505													PH2					0	2
0U1506													SS3					0	3
0U1507													PF3					0	3
0U1508	-	-	-	-	-	-	-	-	-	-	-	-	-	PF3	-	-	-	0	3
0U1509														PF3				0	3
0U1510									PF3									0	3
0U1511									PF3									0	3
0U1512									PF3									0	3
0U1513									PF3									0	3
0U1514	-	-	-	-	-	-	-	-	PF3	-	-	-	-	-	-	-	-	0	3
0U1515	-	-	-	-	-	-	-	-	PF3	-	-	-	-	-	-	-	-	0	3
0U1516	-	-	-	-	-	-	-	-	PF3	-	-	-	-	-	-	-	-	0	3
0U1517	-	-	-	-	-	-	-	-	PH3	-	-	-	-	-	-	-	-	0	3
0U1518													PF3					0	3
0U1519	-	-	-	-	-	-	-	-	-	-	-	-	PF3	-	-	-	-	0	3
0U1520													PH3					0	3
0U1521	-	-	-	-	-	-	-	-	-	-	-	-	PF3	-	-	-	-	0	3
0U1522													PF3					0	3
0U1523														SS3				0	3
0U1524														SS3				0	3
0U1525														SS3				0	3

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bag

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'e' = IPMAT; 'E' = AICHIP

TIME TO 50% BLOOM (T5):

1 = < 45d; 2 = 46-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

	5	P	8	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8
	4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	0
	1		A	A	A	A	A	A	A	A	A	A	A	C	0	C	0	0
	A													1	2	3	1	18 CT

0J1520															SS3			0	3	
0J1527														FF3				0	3	
0J1528														MF3				0	3	
0J1529														SS3				0	3	
0J1530														SS3				0	3	
0J1531														SS3				0	3	
0J1532		-	-	-	-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	0	3
0J1533														FF3				0	3	
0J1534														FS3				0	3	
0J1535		-	-	-	-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	0	3
0J1536														SS3				0	3	
0J1537		-	-	-	-	-	-	-	-	-	-	-	-	-	SS3	-	-	-	0	3
0J1538															SS3			0	3	
0J1539															SS3			0	3	
0J1540															FF3			0	3	
0J1541														FM3	FS3			0	3	
0J1542																	FF3	0	2	
0J1543																FF3		0	3	
0J1544																FF3		0	3	
0J1545																FF3		0	3	
0J1546														FF3				0	3	
0J1547														SS3				0	3	
0J1548		-	-	-	-	-	-	-	-	-	-	-	-	FF3	-	-	-	-	0	3
0J1549			FF2															0	2	
0J1550														FF2				0	2	

0 = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under brg

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 'g' = AICHIP

TIME TO 50% BLOOM (TS):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICHIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
1	1	3	3	4	4	4	5	5	5	6	6	6	7	7	7	8	
4	A	3	4	1	2	3	1	2	3	1	2	3	C	0	0	0	
1		A	A	A	A	A	A	A	A	A	A	A	C	0	C	0	
A													1	2	3	1(TB)(CT)	

DU1551																	0	1	
DU1552	-	FS2	-	-	-	-	PH2	-	-	-	-	-	-	-	-	-	-	0	4
DU1553	-		-	PF2	-	-	-	PF2	-	-	-	-	-	-	-	-	-	0	4
DU1554																		0	2
DJ1555																			
DU1556																			
DU1557																			
DU1558																			
DU1559																			
DU1560																			
DU1561																			
DU1562																			
DU1563																			
DU1564																			
DU1565																			
DU1566																			
DU1567																			
DU1568																			
DU1569																			
DU1570																			
DU1571																			
DU1572																			
DU1573																			
DU1574																			
DU1575																			

'-' = Dropped pollinator;

FERTILITY/STERILITY

'F' = Fertile; 'M' = Mixed; 'S' = sterile; '-' = Missing data

First letter visual, second letter under bar

HYBRID STAGE

'x' = Test cross; '3' = Initial; '2' = Advanced; 'a' = IPMAT; 's' = AICMIP

TIME TO 50% BLOOM (T50):

1 = < 45d; 2 = 45-50d; 3 = 51-55d; 4 = 56-60d; 5 = > 60d; 0 = Unclassified

CATEGORY OF POLLINATOR (CT):

1 = AICMIP, IPMAT or ELPN; 2 = Advanced Hybrid Trial; 3 = Initial Hybrid Trial

Male-sterile	No of Hybrids
5141A	31
81A	220
833A	433
834A	67
841A	12
842A	28
843A	166
851A	152
852A	251
853A	62
861A	746
862A	590
863A	723
87001	487
87002	359
87003	237
86001	431

Male-sterile included only if 5 hybrids present.

 Male-sterile. Fertility No of hybrids

5141A	F Vis	0
	F Bag	0
	M Vis	0
	M Bag	0
	S Vis	0
	S Bag	0
	ND Vis	31
	ND Bag	31

Fertility of hybrids of male-steriles

 Male-sterile Fertility No of hybrids

81A	F Vis	50
	F Bag	30
	M Vis	0
	M Bag	0
	S Vis	1
	S Bag	20
	ND Vis	142
	ND Bag	107

Male-sterile	Fertility	No of hybrids
833A	F Vis	272
	F Bag	135
	M Vis	12
	M Bag	72
	S Vis	97
	S Bag	191
	ND Vis	33
	ND Bag	15

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
834A	F Vis	35
	F Bag	25
	M Vis	0
	M Bag	1
	S Vis	0
	S Bag	9
	ND Vis	32
	ND Bag	32

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
841A	F Vis	4
	F Bag	4
	M Vis	4
	M Bag	0
	S Vis	0
	S Bag	4
	ND Vis	4
	ND Bag	4

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
842A	F Vis	5
	F Bag	1
	M Vis	1
	M Bag	1
	S Vis	0
	S Bag	2
	ND Vis	24
	ND Bag	24

Male-sterile	Fertility	No of hybrids
843A	F Vis	23
	F Bag	17
	M Vis	17
	M Bag	5
	S Vis	0
	S Bag	14
	ND Vis	60
	ND Bag	67

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
851A	F Vis	0
	F Bag	0
	M Vis	0
	M Bag	0
	S Vis	0
	S Bag	0
	ND Vis	152
	ND Bag	152

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
852A	F Vis	24
	F Bag	133
	M Vis	3
	M Bag	50
	S Vis	4
	S Bag	31
	ND Vis	220
	ND Bag	27

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
853A	F Vis	0
	F Bag	0
	M Vis	0
	M Bag	0
	S Vis	0
	S Bag	0
	ND Vis	62
	ND Bag	62

Male-sterile	Fertility	No of hybrids
801A	F Vis	537
	F Bag	335
	M Vis	32
	M Bag	79
	S Vis	162
	S Bag	267
	ND Vis	15
	ND Bag	65

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
902A	F Vis	439
	F Bag	243
	M Vis	13
	M Bag	93
	S Vis	105
	S Bag	160
	ND Vis	35
	ND Bag	94

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
903A	F Vis	506
	F Bag	140
	M Vis	45
	M Bag	146
	S Vis	118
	S Bag	274
	ND Vis	53
	ND Bag	130

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
970J1	F Vis	244
	F Bag	201
	M Vis	15
	M Bag	74
	S Vis	27
	S Bag	97
	ND Vis	190
	ND Bag	125

Male-sterile	Fertility	No of hybrids
870J2	F Vis	284
	F Bag	163
	M Vis	10
	M Bag	77
	S Vis	10
	S Bag	44
	ND Vis	43
	ND Bag	65

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
870J3	F Vis	203
	F Bag	117
	M Vis	4
	M Bag	51
	S Vis	5
	S Bag	32
	ND Vis	25
	ND Bag	37

Fertility of hybrids of male-steriles

Male-sterile	Fertility	No of hybrids
850J1	F Vis	553
	F Bag	170
	M Vis	2
	M Bag	135
	S Vis	0
	S Bag	45
	ND Vis	17
	ND Bag	61

 Category Fertility No of Hybrids

1	F Vis	76
	F Bag	73
	M Vis	1
	M Bag	54
	S Vis	3
	S Bag	25
	ND Vis	135
	ND Bag	45

2	F Vis	441
	F Bag	260
	M Vis	44
	M Bag	140
	S Vis	44
	S Bag	152
	ND Vis	200
	ND Bag	160

3	F Vis	1345
	F Bag	738
	M Vis	83
	M Bag	313
	S Vis	240
	S Bag	535
	ND Vis	460
	ND Bag	519

Initial hybrids of pollinator collection number: 000003
 ICNH 852002 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000004
 ICNH 852129 851A PMIHT-2 1985
 ICNH 85201 87002 PMIHT-4 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000006
 ICNH 852212 853A PMIHT-2 1985
 ICNH 852001 861A PMIHT-2 1986
 ICNH 852114 862A PMIHT-2 1986
 Total # hybrids: 3 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000011
 ICNH 852131 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000019
 ICNH 85112 862A PMIHT-3 1988
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000021
 ICNH 852134 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.1

Initial hybrids of pollinator collection number: 000022
 ICNH 852036 851A PMIHT-2 1985
 ICNH 852133 851A PMIHT-2 1985
 ICNH 852002 861A PMIHT-2 1986
 ICNH 852115 862A PMIHT-2 1986
 Total # hybrids: 4 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000024
 ICMH 852135 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000030
 ICMH 852037 851A PMIHT-2 1985
 ICMH 862163 863A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000035
 ICMH 852038 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000051
 ICMH 851072 834A PMIHT-1 1985
 ICMH 852040 851A PMIHT-2 1985
 ICMH 862006 861A PMIHT-2 1986
 ICMH 862119 862A PMIHT-2 1986
 ICMH 87201 87001 PMIHT-2 1987
 ICMH 87276 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000051
 ICMH 83201 81A PMAHT-1 1984
 Total # hybrids: 7 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000052
 ICMH 852041 851A PMIHT-2 1985
 ICMH 88202 87002 PMIHT-4 1988
 Total # hybrids: 6 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000057
 ICMH 852143 851A PMIHT-2 1985
 ICMH 88126 861A PMIHT-3 1988
 Total # hybrids: 5 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000061
 ICMH 852018 853A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000063
 ICMH 852043 851A PMIHT-2 1985
 ICMH 852116 852A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000070
 ICMH 852046 851A PMIHT-2 1985
 Total # hybrids: 5 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000071
 ICMH 852145 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000072
 ICMH 852146 851A PMIHT-2 1985
 ICMH 862007 861A PMIHT-2 1986
 ICMH 862120 862A PMIHT-2 1986
 Total # hybrids: 3 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000074
 ICMH 852147 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000075
 ICMH 852148 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 000076
 ICMH 852047 851A PMIHT-2 1985

ICMH 862008 861A PMIHT-2 1986
 ICMH 862121 862A PMIHT-2 1986
 Total # hybrids: 3 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 000079
 ICMH 852048 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000080
 ICMH 88113 862A PMIHT-3 1988
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000086
 ICMH 852150 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000089
 ICMH 88203 87002 PMIHT-4 1988
 Total # hybrids: 4 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000091
 ICMH 862012 861A PMIHT-2 1986
 ICMH 862125 862A PMIHT-2 1986
 ICMH 863131 861A PMIHT-3 1987
 ICMH 863131 861A PMIHT-5 1988
 ICMH 863132 862A PMIHT-3 1987
 ICMH 863132 862A PMIHT-5 1988
 ICMH 863133 863A PMIHT-3 1987
 ICMH 863133 863A PMIHT-5 1988
 ICMH 863134 87001 PMIHT-3 1987
 ICMH 863134 87001 PMIHT-5 1988
 ICMH 863135 87002 PMIHT-3 1987
 ICMH 863135 87002 PMIHT-5 1988
 ICMH 863136 87003 PMIHT-3 1987
 ICMH 863136 87003 PMIHT-5 1988
 ICMH 863138 81A PMIHT-3 1987

ICMH 863138	81A	PMIHT-5	1988
ICMH 863139	852A	PMIHT-3	1987
ICMH 863139	852A	PMIHT-5	1988
ICMH 863140	833A	PMIHT-3	1987
ICMH 863140	833A	PMIHT-5	1988
ICMH 88258	TYB	PMIHT-5	1988

Total # hybrids: 13 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000094

ICMH 423	841A	PMIHT-2	1987
ICMH 423	841A	PMIHT-2	1988
ICMH 423	841A	PMIHT-6	1988
ICMH 852005	851A	PMIHT-2	1985
ICMH 863003	861A	PMIHT-3	1987
ICMH 863003	861A	PMIHT-5	1988
ICMH 863004	862A	PMIHT-3	1987
ICMH 863004	862A	PMIHT-5	1988
ICMH 863005	863A	PMIHT-3	1987
ICMH 863005	863A	PMIHT-5	1988
ICMH 863006	87001	PMIHT-3	1987
ICMH 863006	87001	PMIHT-5	1988
ICMH 863007	87002	PMIHT-3	1987
ICMH 863007	87002	PMIHT-5	1988
ICMH 863008	87003	PMIHT-3	1987
ICMH 863008	87003	PMIHT-5	1988
ICMH 863009	81A	PMIHT-3	1987
ICMH 863009	81A	PMIHT-5	1988
ICMH 863010	852A	PMIHT-3	1987
ICMH 863010	852A	PMIHT-5	1988
ICMH 863011	833A	PMIHT-3	1987
ICMH 863011	833A	PMIHT-5	1988
ICMH 88262	TYB	PMIHT-5	1988
ICMH 88451	TYB1	PMIHT-6	1988
ICMH 88452	TYB2	PMIHT-6	1988
ICMH 88453	TYB3	PMIHT-6	1988
ICMH 88454	TYB4	PMIHT-6	1988
ICMH 88455	863A	PMIHT-6	1988
ICMH 88456	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000094

ICMH 423	841A	AICMIP AHT 2	1984
ICMH 423	841A	AICMIP AHT 2	1985
ICMH 423	841A	AICMIP AHT 2	1986
ICMH 423	841A	PMAHT-1	1985
ICMH 423	841A	PMEAT	1988

Total # hybrids: 20 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000098

ICMH 83202	5141A	AICMIP IHT 1	1985
ICMH 83202	81A	PMIHT-1	1985
ICMH 83202	81A	PMIHT-2	1985
ICMH 851090	843A	PMIHT-1	1985
ICMH 87202	87001	PMIHT-2	1987
ICMH 87277	87002	PMIHT-2	1987
ICMH 88457	TYB1	PMIHT-6	1988
ICMH 88458	TYB2	PMIHT-6	1988
ICMH 88459	TYB3	PMIHT-6	1988
ICMH 88460	TYB4	PMIHT-6	1988
ICMH 88461	863A	PMIHT-6	1988
ICMH 88462	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000098

ICMH 433	5141A	IPMAT 9	1984
ICMH 433	5141A	PMAHT-1	1984
ICMH 83202	5141A	AICMIP AHT 2	1986
ICMH 83202	81A	PMAHT-1	1984
ICMH 83202	81A	PMAHT-1	1985
ICMH 86601	81A	PMAHT-2	1986

Total # hybrids: 12 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000100

ICMH 852049	851A	PMIHT-2	1985
ICMH 88463	TYB1	PMIHT-6	1988
ICMH 88464	TYB2	PMIHT-6	1988
ICMH 88465	TYB3	PMIHT-6	1988
ICMH 88466	TYB4	PMIHT-6	1988
ICMH 88467	863A	PMIHT-6	1988
ICMH 88468	81A	PMIHT-6	1988

Total # hybrids: 7 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000104

ICMH 852152	851A	PMIHT-2	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000106

ICMH 851104	81A	PMIHT-1	1985
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ICMH 852050	851A	PMIHT-2	1985
ICMH 87203	87001	PMIHT-2	1987
ICMH 87278	87002	PMIHT-2	1987
ICMH 87339	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000106

ICMH 84831	843A	PMAHT-1	1985
ICMH 851104	81A	PMAHT-1	1986

Total # hybrids: 6 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000107

ICMH 451	81A	AICMIP IHT 1	1984
ICMH 451	81A	PMIHT-1	1987
ICMH 451	81A	PMIHT-1	1988
ICMH 451	81A	PMIHT-2	1986
ICMH 451	81A	PMIHT-2	1988
ICMH 451	81A	PMIHT-3	1987
ICMH 451	81A	PMIHT-3	1987
ICMH 451	81A	PMIHT-3	1988
ICMH 451	81A	PMIHT-4	1988
ICMH 451	81A	PMIHT-5	1987
ICMH 451	81A	PMIHT-5	1988
ICMH 451	81A	PMIHT-5	1988
ICMH 451	81A	PMIHT-6	1988
ICMH 852051	851A	PMIHT-2	1985
ICMH 861084	861A	PMIHT-1	1986
ICMH 863022	861A	PMIHT-3	1987
ICMH 863022	861A	PMIHT-5	1988
ICMH 863023	862A	PMIHT-3	1987
ICMH 863023	862A	PMIHT-5	1988
ICMH 863025	863A	PMIHT-3	1987
ICMH 863025	863A	PMIHT-5	1988
ICMH 863026	87001	PMIHT-3	1987
ICMH 863026	87001	PMIHT-3	1988
ICMH 863026	87001	PMIHT-5	1988
ICMH 863027	87002	PMIHT-3	1987
ICMH 863027	87002	PMIHT-5	1988
ICMH 863028	87003	PMIHT-3	1987
ICMH 863028	87003	PMIHT-5	1988
ICMH 863029	81A	PMIHT-3	1987

ICMH 863029	81A	PMIHT-5	1988
ICMH 863030	852A	PMIHT-3	1987
ICMH 863030	852A	PMIHT-5	1988
ICMH 863031	833A	PMIHT-3	1987
ICMH 863031	833A	PMIHT-5	1988
ICMH 87114	861A	PMIHT-1	1987
ICMH 88264	TYB	PMIHT-5	1988
ICMH 88469	TYB1	PMIHT-6	1988
ICMH 88470	TYB2	PMIHT-6	1988
ICMH 88471	TYB3	PMIHT-6	1988
ICMH 88472	TYB4	PMIHT-6	1988
ICMH 88473	863A	PMIHT-6	1988
ICMH 88474	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000107

ICMH 451	81A	AICMIP AHT 2	1985
ICMH 451	81A	AICMIP AHT 2	1986
ICMH 451	81A	IPMAT	1988
ICMH 451	81A	PMADT	1986
ICMH 451	81A	PMADT	1987
ICMH 451	81A	PMADT	1988
ICMH 451	81A	PMADVHT	1987
ICMH 451	81A	PMAHT	1988
ICMH 451	81A	PMAHT-1	1985
ICMH 451	81A	PMAHT-2	1985
ICMH 451	81A	PMAHT-2	1986
ICMH 451	81A	PMDAT	1988
ICMH 451	81A	PMEAT	1988
ICMH 451	81A	PMLAT	1988

Total # hybrids: 22 Category IPC: 1 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000108

ICMH 84215	81A	PMIHT-2	1984
ICMH 84226	81A	PMIHT-2	1984
ICMH 851108	834A	PMIHT-1	1985
ICMH 852006	851A	PMIHT-2	1985
ICMH 852026	852A	PMIHT-2	1985
ICMH 852056	851A	PMIHT-2	1985
ICMH 862166	863A	PMIHT-2	1986

*Advanced hybrids of pollinator collection number: 000108

ICMH 84226	81A	PMAHT-1	1985
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Total # hybrids: 7 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000110

ICMH 84221	81A	PMIHT-2	1984
ICMH 84224	111A	PMIHT-2	1984
ICMH 863002	861A	PMIHT-3	1987
ICMH 863002	861A	PMIHT-5	1988
ICMH 863013	862A	PMIHT-3	1987
ICMH 863013	862A	PMIHT-5	1988
ICMH 863024	863A	PMIHT-3	1987
ICMH 863024	863A	PMIHT-5	1988
ICMH 863035	87001	PMIHT-3	1987
ICMH 863035	87001	PMIHT-5	1988
ICMH 863046	87002	PMIHT-3	1987
ICMH 863046	87002	PMIHT-5	1988
ICMH 863057	87003	PMIHT-3	1987
ICMH 863057	87003	PMIHT-5	1988
ICMH 863068	81A	PMIHT-3	1987
ICMH 863068	81A	PMIHT-5	1988
ICMH 863079	852A	PMIHT-3	1987
ICMH 863079	852A	PMIHT-5	1988
ICMH 863080	833A	PMIHT-3	1987
ICMH 863080	833A	PMIHT-5	1988
ICMH 88252	TYB	PMIHT-5	1988
ICMH 88475	TYB1	PMIHT-6	1988
ICMH 88476	TYB2	PMIHT-6	1988
ICMH 88477	TYB3	PMIHT-6	1988
ICMH 88478	TYB4	PMIHT-6	1988
ICMH 88479	863A	PMIHT-6	1988
ICMH 88480	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000110

ICMH 84221 81A PMAHT-1 1985

Total # hybrids: 19 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000113

ICMH 852053 851A PMIHT-2 1985

ICMH 852096 853A PMIHT-2 1985

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000118

ICMH 852154 851A PMIHT-2 1985

ICMH 861016 833A PMIHT-1 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000119
 ICMH 851004 843A PMIHT-1 1985
 ICMH 851088 834A PMIHT-1 1985
 ICMH 852155 851A PMIHT-2 1985
 ICMH 861003 81A PMIHT-1 1986
 Total # hybrids: 4 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000123
 ICMH 852156 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000130
 ICMH 84204 5141A PMIHT-2 1984
 ICMH 852159 851A PMIHT-2 1985
 ICMH 861023 833A PMIHT-1 1986
 ICMH 87755 863A PMIHT-4 1987
 Total # hybrids: 12 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000133
 ICMH 84207 5141A PMIHT-2 1984
 ICMH 852160 851A PMIHT-2 1985
 ICMH 861008 833A PMIHT-1 1986
 ICMH 861022 833A PMIHT-1 1986

*Advanced hybrids of pollinator collection number: 000133
 ICMH 861008 833A PMAHT 1987
 Total # hybrids: 4 Category IPC: 2 Class IPC: 8.4

Initial hybrids of pollinator collection number: 000134
 ICMH 84208 5141A PMIHT-2 1984
 ICMH 861059 833A PMIHT-1 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000136
 ICMH 84210 5141A PMIHT-2 1984
 ICMH 861011 843A PMIHT-1 1986
 Total # hybrids: 6 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 000137
 ICMH 84211 5141A PMIHT-2 1984
 ICMH 852161 851A PMIHT-2 1985
 Total # hybrids: 6 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000138
 ICMH 84212 5141A PMIHT-2 1984
 ICMH 852162 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000140
 ICMH 84214 5141A PMIHT-2 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000141
 ICMH 862040 861A PMIHT-2 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000149
 ICMH 84223 111A PMIHT-2 1984
 ICMH 851011 81A PMIHT-1 1985
 ICMH 87204 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000149
 ICMH 851011 81A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000151
 ICMH 84227 81A PMIHT-2 1984

ICMH 851021	834A	PMIHT-1	1985
ICMH 852165	851A	PMIHT-2	1985
Total # hybrids: 3 Category IPC: 3 Class IPC: 9.4			

Initial hybrids of pollinator collection number: 000153			
ICMH 84229	5141A	PMIHT-2	1984
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.1			

Initial hybrids of pollinator collection number: 000154			
ICMH 84230	5141A	PMIHT-2	1984
ICMH 862013	861A	PMIHT-2	1986
ICMH 862127	862A	PMIHT-2	1986
Total # hybrids: 3 Category IPC: 3 Class IPC: 9.4			

Initial hybrids of pollinator collection number: 000156			
ICMH 87205	87001	PMIHT-2	1987
ICMH 87279	87002	PMIHT-2	1987
ICMH 87754	863A	PMIHT-4	1987
ICMH 88481	TYB1	PMIHT-6	1988
ICMH 88482	TYB2	PMIHT-6	1988
ICMH 88483	TYB3	PMIHT-6	1988
ICMH 88484	TYB4	PMIHT-6	1988
ICMH 88485	863A	PMIHT-6	1988
ICMH 88486	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000156			
ICMH 86603	81A	PMAHT-2	1986
ICMH 87279	87002	PMAHT	1988
Total # hybrids: 14 Category IPC: 2 Class IPC: 10.0			

Initial hybrids of pollinator collection number: 000157			
ICMH 852166	851A	PMIHT-2	1985
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0			

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.1			
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Initial hybrids of pollinator collection number: 000174			
ICMH 852169	851A	PMIHT-2	1985

Total # hybrids:	4	Category IPC:	3	Class IPC:	7.1
Total # hybrids:	3	Category IPC:	4	Class IPC:	10.0

Initial hybrids of pollinator collection number: 000182

ICMH 851071	843A	PMIHT-1	1985
ICMH 861058	834A	PMIHT-1	1986
ICMH 87206	87001	PMIHT-2	1987
ICMH 87280	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000182

ICMH 84839	843A	PMAHT-2	1985
ICMH 87280	87002	PMAHT	1988

Total # hybrids: 5 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000185

ICMH 851133	843A	PMIHT-1	1985
ICMH 861028	81A	PMIHT-1	1986
ICMH 861034	81A	PMIHT-1	1986
ICMH 861056	834A	PMIHT-1	1986

Total # hybrids: 8 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000186

ICMH 852170	851A	PMIHT-2	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000187

ICMH 852119	852A	PMIHT-2	1985
ICMH 87753	863A	PMIHT-4	1987

Total # hybrids: 6 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000189

ICMH 862168	863A	PMIHT-2	1986
ICMH 87756	863A	PMIHT-4	1987
ICMH 88487	TYB1	PMIHT-6	1988
ICMH 88488	TYB2	PMIHT-6	1988

ICMH 88489	TYB3	PMIHT-6	1988
ICMH 88490	TYB4	PMIHT-6	1988
ICMH 88491	863A	PMIHT-6	1988
ICMH 88492	81A	PMIHT-6	1988

Total # hybrids: 8 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000195

ICMH 852172	851A	PMIHT-2	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000197

ICMH 861063	834A	PMIHT-1	1986
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ICMH 862015	861A	PMIHT-2	1986
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ICMH 862128	862A	PMIHT-2	1986
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Total # hybrids: 3 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000201

ICMH 852122	852A	ICSC-SS	1987
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ICMH 852122	852A	PMIHT-2	1985
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ICMH 861032	81A	PMIHT-1	1986
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ICMH 87207	87001	PMIHT-2	1987
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ICMH 87281	87002	PMIHT-2	1987
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*Advanced hybrids of pollinator collection number: 000201

ICMH 852122	852A	PMAHT-1	1986
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Total # hybrids: 4 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000202

ICMH 861048	833A	PMIHT-1	1986
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000204

ICMH 88493	TYB1	PMIHT-6	1988
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ICMH 88494	TYB2	PMIHT-6	1988
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ICMH 88495	TYB3	PMIHT-6	1988
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ICMH 88496	TYB4	PMIHT-6	1988
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ICMH 88497	863A	PMIHT-6	1988
ICMH 88498	81A	PMIHT-6	1988
Total # hybrids:		6 Category IPC:	3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000205

ICMH 852174	851A	PMIHT-2	1985
ICMH 863111	861A	PMIHT-3	1987
ICMH 863111	861A	PMIHT-5	1988
ICMH 863112	862A	PMIHT-3	1987
ICMH 863112	862A	PMIHT-5	1988
ICMH 863113	863A	PMIHT-3	1987
ICMH 863113	863A	PMIHT-5	1988
ICMH 863114	87001	PMIHT-3	1987
ICMH 863114	87001	PMIHT-5	1988
ICMH 863116	87002	PMIHT-3	1987
ICMH 863116	87002	PMIHT-5	1988
ICMH 863117	87003	PMIHT-3	1987
ICMH 863117	87003	PMIHT-5	1988
ICMH 863118	81A	PMIHT-3	1987
ICMH 863118	81A	PMIHT-5	1988
ICMH 863119	852A	PMIHT-3	1987
ICMH 863119	852A	PMIHT-5	1988
ICMH 863120	833A	PMIHT-3	1987
ICMH 863120	833A	PMIHT-5	1988
ICMH 88256	TYB	PMIHT-5	1988

*Advanced hybrids of pollinator collection number: 000205

ICMH 84928	81A	PMAHT-1	1985
ICMH 84928	81A	PMAHT-2	1985
Total # hybrids:		13 Category IPC:	2 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000209

ICMH 84421	81A	PMIHT-4	1984
ICMH 852064	851A	PMIHT-2	1985
ICMH 862170	863A	PMIHT-2	1986
Total # hybrids:		3 Category IPC:	3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000212

ICMH 84424	81A	PMIHT-4	1984
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ICMH 862172 863A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000213

ICMH 84425 81A PMIHT-4 1984
 ICMH 87208 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000213

ICMH 84425 81A PMAHT-1 1985
 Total # hybrids: 2 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000217

ICMH 84429 81A PMIHT-4 1984

*Advanced hybrids of pollinator collection number: 000217

ICMH 84429 81A PMAHT-1 1985
 Total # hybrids: 1 Category IPC: 2 Class IPC: 8.4

Initial hybrids of pollinator collection number: 000218

ICMH 84430 81A PMIHT-4 1984

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000219

ICMH 84431 81A PMIHT-4 1984

ICMH 862130 862A PMIHT-2 1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000220

ICMH 84432 111A PMIHT-4 1984

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000221

ICMH 852176 851A PMIHT-2 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000225
 ICMH 852066 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000226
 ICMH 851008 81A PMIHT-1 1985
 ICMH 852177 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000230
 ICMH 862017 861A PMIHT-2 1986
 ICMH 862131 862A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000242
 ICMH 852183 851A PMIHT-2 1985
 ICMH 852226 853A PMIHT-2 1985
 Total # hybrids: 6 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000244
 ICMH 852070 851A PMIHT-2 1985
 ICMH 862046 861A PMIHT-2 1986
 ICMH 88101 87001 PMIHT-3 1988
 Total # hybrids: 7 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000248
 ICMH 852184 851A PMIHT-2 1985
 ICMH 862018 861A PMIHT-2 1986
 ICMH 862132 862A PMIHT-2 1986
 Total # hybrids: 3 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000261
 ICMH 852189 851A PMIHT-2 1985
 Total # hybrids: 5 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000263

ICMH 852232	853A	PMIHT-2	1985
ICMH 88499	TYB1	PMIHT-6	1988
ICMH 88500	TYB2	PMIHT-6	1988
ICMH 88501	TYB3	PMIHT-6	1988
ICMH 88502	TYB4	PMIHT-6	1988
ICMH 88503	863A	PMIHT-6	1988
ICMH 88504	81A	PMIHT-6	1988

Total # hybrids: 11 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000267

ICMH 88204	87002	PMIHT-4	1988
ICMH 88215	863A	PMIHT-4	1988

Total # hybrids: 2 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000268

ICMH 852190	851A	PMIHT-2	1985
ICMH 862049	861A	PMIHT-2	1986
ICMH 862179	863A	PMIHT-2	1986

Total # hybrids: 3 Category IPC: 3 Class IPC: 3.1

Initial hybrids of pollinator collection number: 000269

ICMH 88205	87002	PMIHT-4	1988
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Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000275

ICMH 852102	853A	PMIHT-2	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000285

ICMH 862052	861A	PMIHT-2	1986
ICMH 862182	863A	PMIHT-2	1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000288

ICMH 852193	851A	PMIHT-2	1985
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ICMH 88130 862A PMIHT-3 1988
 Total # hybrids: 5 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000291

ICMH 852236 853A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000292

ICMH 852194 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000294

ICMH 862053 861A PMIHT-2 1986
 ICME 862183 863A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000302

ICMH 862054 861A PMIHT-2 1986
 ICME 862185 863A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000309

ICMH 88505 TYB1 PMIHT-6 1988
 ICME 88506 TYB2 PMIHT-6 1988
 ICME 88507 TYB3 PMIHT-6 1988
 ICME 88508 TYB4 PMIHT-6 1988
 ICME 88509 863A PMIHT-6 1988
 ICME 88510 81A PMIHT-6 1988
 Total # hybrids: 6 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 000311

ICMH 852011 851A PMIHT-2 1985
 ICME 862055 861A PMIHT-2 1986
 ICME 862187 863A PMIHT-2 1986
 Total # hybrids: 3 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000315
 ICMH 852073 851A PMIHT-2 1985
 Total # hybrids: 8 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000321
 ICMH 852240 853A PMIHT-2 1985

*Advanced hybrids of pollinator collection number: 000321
 ICMH 87019 833A PMAHT 1987
 Total # hybrids: 2 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000322
 ICMH 862056 861A PMIHT-2 1986
 ICMH 862188 863A PMIHT-2 1986
 Total # hybrids: 6 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000323
 ICMH 862057 861A PMIHT-2 1986
 ICMH 862189 863A PMIHT-2 1986
 ICMH 88114 862A PMIHT-3 1988
 Total # hybrids: 3 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000324
 ICMH 852074 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000328
 ICMH 84105 81A PMIHT-1 1984
 ICMH 852241 853A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000329
 ICMH 84106 81A PMIHT-1 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000330
 ICMH 84108 81A PMIHT-1 1984

*Advanced hybrids of pollinator collection number: 000330
 ICMH 84108 81A PMAHT-1 1985
 Total # hybrids: 1 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000334
 ICMH 84113 81A PMIHT-1 1984
 ICMH 84113 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000335
 ICMH 84114 81A PMIHT-1 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.4

Initial hybrids of pollinator collection number: 000336
 ICMH 84115 81A PMIHT-1 1984
 ICMH 852200 851A PMIHT-2 1985
 ICMH 88107 861A PMIHT-3 1988
 Total # hybrids: 3 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000337
 ICMH 84119 81A PMIHT-1 1984
 ICMH 852028 852A PMIHT-2 1985
 ICMH 87209 87001 PMIHT-2 1987
 ICMH 87282 87002 PMIHT-2 1987
 ICMH 87340 87003 PMIHT-2 1987
 ICMH 88511 TYB1 PMIHT-6 1988
 ICMH 88512 TYB2 PMIHT-6 1988
 ICMH 88513 TYB3 PMIHT-6 1988
 ICMH 88514 TYB4 PMIHT-6 1988
 ICMH 88515 863A PMIHT-6 1988
 ICMH 88516 81A PMIHT-6 1988

*Advanced hybrids of pollinator collection number: 000337
 ICMH 84119 81A PMAHT-1 1985
 ICMH 852028 852A PMAHT-1 1986
 Total # hybrids: 11 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000338

ICMH 84122	81A	AICMIP IHT 1	1986
ICMH 84122	81A	AICPMIP	1988
ICMH 84122	81A	PMIHT-1	1984
ICMH 87210	87001	PMIHT-2	1987
ICMH 87283	87002	PMIHT-2	1987
ICMH 88269	861A	PMIHT-5	1988
ICMH 88270	862A	PMIHT-5	1988
ICMH 88271	863A	PMIHT-5	1988
ICMH 88272	87001	PMIHT-5	1988
ICMH 88273	87002	PMIHT-5	1988
ICMH 88274	87003	PMIHT-5	1988
ICMH 88275	81A	PMIHT-5	1988
ICMH 88276	852A	PMIHT-5	1988
ICMH 88277	833A	PMIHT-5	1988
ICMH 88278	TYB	PMIHT-5	1988
ICMH 88517	TYB1	PMIHT-6	1988
ICMH 88518	TYB2	PMIHT-6	1988
ICMH 88519	TYB3	PMIHT-6	1988
ICMH 88520	TYB4	PMIHT-6	1988
ICMH 88521	863A	PMIHT-6	1988
ICMH 88522	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000338

ICMH 84122	81A	AICMIP AHT	1987
ICMH 84122	81A	AICPMIP	1988
ICMH 84122	81A	PMADT	1986
ICMH 84122	81A	PMADT	1987
ICMH 84122	81A	PMADT	1988
ICMH 84122	81A	PMAHT-1	1985

Total # hybrids: 21 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000342

ICMH 84126	26A	PMIHT-1	1984
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000345

ICMH 84129	842A	PMIHT-1	1984
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ICMH 87211	87001	PMIHT-2	1987
ICMH 88523	TYB1	PMIHT-6	1988
ICMH 88524	TYB2	PMIHT-6	1988
ICMH 88525	TYB3	PMIHT-6	1988
ICMH 88526	TYB4	PMIHT-6	1988
ICMH 88527	863A	PMIHT-6	1988
ICMH 88528	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000345

ICMH 84129	842A	PMAHT-1	1985
Total # hybrids:	8	Category IPC:	2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000347

ICMH 84131	843A	PMIHT-1	1984
ICMH 862192	863A	PMIHT-2	1986
Total # hybrids:	2	Category IPC:	3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000348

ICMH 84132	843A	PMIHT-1	1984
ICMH 852125	852A	PMIHT-2	1985
ICMH 862059	861A	PMIHT-2	1986
ICMH 862193	863A	PMIHT-2	1986
ICMH 87212	87001	PMIHT-2	1987
ICMH 87284	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000348

ICMH 84132	843A	PMAHT-1	1985
ICMH 87284	87002	PMAHT	1988
Total # hybrids:	6	Category IPC:	2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000350

ICMH 88529	TYB1	PMIHT-6	1988
ICMH 88530	TYB2	PMIHT-6	1988
ICMH 88531	TYB3	PMIHT-6	1988
ICMH 88532	TYB4	PMIHT-6	1988
ICMH 88533	863A	PMIHT-6	1988
ICMH 88534	81A	PMIHT-6	1988
Total # hybrids:	6	Category IPC:	3 Class IPC: 3.1

Initial hybrids of pollinator collection number: 000351

ICMH 852001	852A	PMIHT-2	1985
ICMH 852108	853A	PMIHT-2	1985
ICMH 87213	87001	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000351

ICMH 852001	852A	PMAHT-1	1986
Total # hybrids:	3	Category IPC:	2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000354

ICMH 852077	851A	PMIHT-2	1985
ICMH 862061	861A	PMIHT-2	1986
ICMH 862195	863A	PMIHT-2	1986
Total # hybrids:	3	Category IPC:	3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000358

ICMH 861018	843A	PMIHT-1	1986
ICMH 87214	87001	PMIHT-2	1987
ICMH 87285	87002	PMIHT-2	1987
Total # hybrids:	3	Category IPC:	3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 000359

ICMH 84301	843A	PMIHT-3	1984
ICMH 852078	851A	PMIHT-2	1985
Total # hybrids:	2	Category IPC:	3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000361

ICMH 84304	842A	PMIHT-1	1985
ICMH 84304	842A	PMIHT-3	1984
ICMH 84308	834A	PMIHT-3	1984
ICMH 852080	851A	PMIHT-2	1985
ICMH 852203	851A	PMIHT-2	1985
ICMH 87215	87001	PMIHT-2	1987
ICMH 87286	87002	PMIHT-2	1987
ICMH 87341	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000361

ICMH 84304	842A	PMAHT-1	1986
ICMH 84308	834A	PMAHT-1	1985
Total # hybrids:	7	Category IPC:	2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000363
 ICMH 862019 861A PMIHT-2 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000367
 ICMH 84310 81A PMIHT-3 1984
 ICMH 852013 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000370
 ICMH 84316 81A PMIHT-3 1984
 ICMH 852015 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000372
 ICMH 84320 842A PMIHT-3 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.1

Initial hybrids of pollinator collection number: 000374
 ICMH 84322 842A PMIHT-1 1985
 ICMH 84322 842A PMIHT-3 1984
 ICMH 852083 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000375
 ICMH 84323 843A PMIHT-3 1984
 ICMH 852244 851A PMIHT-2 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000379
 ICMH 84332 842A PMIHT-1 1985
 ICMH 84332 842A PMIHT-3 1984
 ICMH 852085 851A PMIHT-2 1985
 ICMH 87071 833A PMIHT-1 1987

Total # hybrids: 3 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000381

ICMH 84335 842A PMIHT-3 1984

ICMH 852086 851A PMIHT-2 1985

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000382

ICMH 501 834A AICMIP IHT 1 1984

ICMH 501 834A PMIHT-1 1987

ICMH 501 834A PMIHT-3 1987

ICMH 501 834A PMIHT-3 1987

ICMH 501 834A PMIHT-5 1988

ICMH 501 834A PMIHT-5 1988

ICMH 84327 843A PMIHT-3 1984

ICMH 84336 81A PMIHT-1 1985

ICMH 84336 81A PMIHT-3 1984

ICMH 863032 861A PMIHT-3 1987

ICMH 863032 861A PMIHT-5 1988

ICMH 863033 862A PMIHT-3 1987

ICMH 863033 862A PMIHT-5 1988

ICMH 863034 863A PMIHT-3 1987

ICMH 863034 863A PMIHT-5 1988

ICMH 863036 87001 PMIHT-3 1987

ICMH 863036 87001 PMIHT-5 1988

ICMH 863037 87002 PMIHT-3 1987

ICMH 863037 87002 PMIHT-5 1988

ICMH 863038 87003 PMIHT-3 1987

ICMH 863038 87003 PMIHT-5 1988

ICMH 863039 81A PMIHT-3 1987

ICMH 863039 81A PMIHT-5 1988

ICMH 863040 852A PMIHT-3 1987

ICMH 863040 852A PMIHT-5 1988

ICMH 863041 833A PMIHT-3 1987

ICMH 863041 833A PMIHT-5 1988

ICMH 88265 TYB PMIHT-5 1988

*Advanced hybrids of pollinator collection number: 000382

ICMH 501 834A AICMIP AHT 2 1985

ICMH 501 834A AICMIP AHT 2 1986

ICMH 501 834A PMADT 1986

ICMH 501 834A PMEAT 1988

ICMH 84327 843A PMAHT-2 1985

ICMH 84337 843A PMAHT-1 1985

Total # hybrids: 16 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000384

ICMH 84340	81A	PMIHT-3	1984
ICMH 87216	87001	PMIHT-2	1987
ICMH 87287	87002	PMIHT-2	1987
ICMH 87719	852A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000384

ICMH 84340	81A	PMAHT-1	1985
ICMH 87216	87001	PMLAT	1988
Total # hybrids:	4	Category IPC:	2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000385

ICMH 84341	834A	PMIHT-3	1984
ICMH 852207	851A	PMIHT-2	1985
ICMH 87720	852A	PMIHT-4	1987
Total # hybrids:	3	Category IPC:	3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 000387

ICMH 84343	833A	PMIHT-1	1985
ICMH 84343	833A	PMIHT-3	1984
ICMH 87714	852A	PMIHT-4	1987
Total # hybrids:	2	Category IPC:	3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000388

ICMH 84344	852A	PMIHT-3	1984
ICMH 852246	853A	PMIHT-2	1985
ICMH 85231	852A	AICMIP IHT	1987
ICMH 85231	852A	ICSC-SS	1987
ICMH 85231	852A	PMIHT-2	1985
ICMH 85231	852A	PMIHT-4	1987
ICMH 87217	87001	PMIHT-2	1987
ICMH 87288	87002	PMIHT-2	1987
ICMH 87718	852A	PMIHT-4	1987
ICMH 88535	TYB1	PMIHT-6	1988
ICMH 88536	TYB2	PMIHT-6	1988
ICMH 88537	TYB3	PMIHT-6	1988
ICMH 88538	TYB4	PMIHT-6	1988

ICMH 88539 863A PMIHT-6 1988
 ICME 88540 81A PMIHT-6 1988

*Advanced hybrids of pollinator collection number: 000388
 ICME 85231 852A PMAHT-1 1986
 ICME 87217 87001 PMLAT 1988
 Total # hybrids: 12 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000389
 ICME 84345 852A PMIHT-3 1984
 ICME 852109 853A PMIHT-2 1985
 ICME 852126 852A PMIHT-2 1985
 ICME 88108 861A PMIHT-3 1988
 Total # hybrids: 4 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000390
 ICME 88206 87002 PMIHT-4 1988
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.1

Initial hybrids of pollinator collection number: 000398
 ICME 852089 851A PMIHT-2 1985
 ICME 87721 852A PMIHT-4 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 000400
 ICME 852090 851A PMIHT-2 1985
 ICME 87716 852A PMIHT-4 1987

*Advanced hybrids of pollinator collection number: 000400
 ICME 87020 833A PMAHT 1987
 Total # hybrids: 3 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000404
 ICME 87717 852A PMIHT-4 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000406
 ICMH 87289 87002 PMIHT-2 1987
 ICMH 87342 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000406
 ICMH 83512 833A PMAHT-1 1984
 Total # hybrids: 3 Category IPC: 2 Class IPC: 8.2

Initial hybrids of pollinator collection number: 000408
 ICMH 852211 851A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000410
 ICMH 84413 81A PMIHT-4 1984
 ICMH 87218 87001 PMIHT-2 1987
 ICMH 87290 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000410
 ICMH 84413 81A PMAHT-1 1985
 Total # hybrids: 3 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000417
 ICMH 83401 81A AICMIP IHT 1 1985
 ICMH 863151 861A PMIHT-3 1987
 ICMH 863151 861A PMIHT-5 1988
 ICMH 863152 862A PMIHT-3 1987
 ICMH 863152 862A PMIHT-5 1988
 ICMH 863153 863A PMIHT-3 1987
 ICMH 863153 863A PMIHT-5 1988
 ICMH 863154 87001 PMIHT-3 1987
 ICMH 863154 87001 PMIHT-5 1988
 ICMH 863155 87002 PMIHT-3 1987
 ICMH 863155 87002 PMIHT-5 1988
 ICMH 863156 87003 PMIHT-3 1987
 ICMH 863156 87003 PMIHT-5 1988
 ICMH 863157 81A PMIHT-3 1987
 ICMH 863157 81A PMIHT-5 1988

ICMH 863158	852A	PMIHT-3	1987
ICMH 863158	852A	PMIHT-5	1988
ICMH 863160	833A	PMIHT-3	1987
ICMH 863160	833A	PMIHT-5	1988
ICMH 88260	TYB	PMIHT-5	1988
ICMH 88541	TYB1	PMIHT-6	1988
ICMH 88542	TYB2	PMIHT-6	1988
ICMH 88543	TYB3	PMIHT-6	1988
ICMH 88544	TYB4	PMIHT-6	1988
ICMH 88545	863A	PMIHT-6	1988
ICMH 88546	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000417

ICMH 83401	81A	AICMIP AHT	1987
ICMH 83401	81A	AICMIP AHT 2	1986
ICMH 83401	81A	IPMAT 10	1985
ICMH 83401	81A	PMADT	1986
ICMH 83401	81A	PMADT	1987
ICMH 83401	81A	PMADT	1988
ICMH 83401	81A	PMAHT-1	1984

Total # hybrids: 18 Category IPC: 1 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000422

ICMH 84102	81A	PMIHT-1	1984
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Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000444

ICMH 88115	862A	PMIHT-3	1988
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000449

ICMH 862069	861A	PMIHT-2	1986
ICMH 862202	863A	PMIHT-2	1986
ICMH 88216	863A	PMIHT-4	1988

Total # hybrids: 3 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000487

ICMH 86204	863A	PMIHT-2	1986
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ICMH 87087	852A	PMIHT-1	1987
ICMH 88547	TYB1	PMIHT-6	1988
ICMH 88548	TYB2	PMIHT-6	1988
ICMH 88549	TYB3	PMIHT-6	1988
ICMH 88550	TYB4	PMIHT-6	1988
ICMH 88551	863A	PMIHT-6	1988
ICMH 88552	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000487

ICMH 86204	863A	IPMAT 12	1987
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Total # hybrids: 8 Category IPC: 1 Class IPC: 3.1

Total # hybrids: 3 Category IPC: 4 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000501

ICMH 88553	TYB1	PMIHT-6	1988
ICMH 88554	TYB2	PMIHT-6	1988
ICMH 88555	TYB3	PMIHT-6	1988
ICMH 88556	TYB4	PMIHT-6	1988
ICMH 88557	863A	PMIHT-6	1988
ICMH 88558	81A	PMIHT-6	1988

Total # hybrids: 6 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000506

ICMH 862073	861A	PMIHT-2	1986
ICMH 862206	863A	PMIHT-2	1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000512

ICMH 88054	87003	PMIHT-2	1988
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000522

ICMH 88109	861A	PMIHT-3	1988
ICMH 88217	863A	PMIHT-4	1988

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number:	000524
ICMH 862207	863A PMIHT-2 1986
Total # hybrids:	1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number:	000536
ICMH 861004	81A PMIHT-1 1986
Total # hybrids:	1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number:	000542
ICMH 88207	87002 PMIHT-4 1988
Total # hybrids:	1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number:	000561
ICMH 88218	863A PMIHT-4 1988
Total # hybrids:	1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number:	000563
ICMH 87762	863A PMIHT-4 1987
Total # hybrids:	1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number:	000564
ICMH 87774	863A PMIHT-4 1987
Total # hybrids:	1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number:	000581
ICMH 861051	833A PMIHT-1 1986
Total # hybrids:	1 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number:	000582
ICMH 851114	81A PMIHT-1 1985
Total # hybrids:	1 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number:	000587
ICMH 87219	87001 PMIHT-2 1987

ICMH 88572	TYB2	PMIHT-6	1988
ICMH 88573	TYB3	PMIHT-6	1988
ICMH 88574	TYB4	PMIHT-6	1988
ICMH 88575	863A	PMIHT-6	1988
ICMH 88576	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000678

EICH 8301	841A	PMADT	1986
EICH 8301	841A	PMADT	1987
EICH 8301	841A	PMAHT-1	1984
ICMH 851036	81A	PMAHT-1	1986

Total # hybrids: 10 Category IPC: 2 Class IPC: 9.3

*Advanced hybrids of pollinator collection number: 000681

EICH 8306	5141A	PMAHT-1	1984
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Total # hybrids: 1 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000683

ICMH 87221	87001	PMIHT-2	1987
ICMH 87293	87002	PMIHT-2	1987
ICMH 88577	TYB1	PMIHT-6	1988
ICMH 88578	TYB2	PMIHT-6	1988
ICMH 88579	TYB3	PMIHT-6	1988
ICMH 88580	TYB4	PMIHT-6	1988
ICMH 88581	863A	PMIHT-6	1988
ICMH 88582	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000683

EICH 8309	5141A	PMAHT-1	1984
ICMH 87293	87002	PMAHT	1988

Total # hybrids: 9 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000687

ICMH 851007	833A	PMIHT-1	1985
ICMH 862020	861A	PMIHT-2	1986
ICMH 862136	862A	PMIHT-2	1986

Total # hybrids: 3 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number: 000689
 ICMH 852233 853A PMIHT-2 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 000691
 ICMH 851062 81A ICSC-SS 1987
 ICMH 851062 81A PMIHT-1 1985
 ICMH 87222 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000691
 ICMH 851062 81A PMAHT-1 1986
 Total # hybrids: 2 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000700
 ICMH 863091 861A PMIHT-3 1987
 ICMH 863091 861A PMIHT-5 1988
 ICMH 863092 862A PMIHT-3 1987
 ICMH 863092 862A PMIHT-5 1988
 ICMH 863094 863A PMIHT-3 1987
 ICMH 863094 863A PMIHT-5 1988
 ICMH 863095 87001 PMIHT-3 1987
 ICMH 863095 87001 PMIHT-5 1988
 ICMH 863096 87002 PMIHT-3 1987
 ICMH 863096 87002 PMIHT-5 1988
 ICMH 863097 87003 PMIHT-3 1987
 ICMH 863097 87003 PMIHT-5 1988
 ICMH 863098 81A PMIHT-3 1987
 ICMH 863098 81A PMIHT-5 1988
 ICMH 863099 852A PMIHT-3 1987
 ICMH 863099 852A PMIHT-5 1988
 ICMH 863100 833A PMIHT-3 1987
 ICMH 863100 833A PMIHT-5 1988
 ICMH 88254 TYB PMIHT-5 1988

*Advanced hybrids of pollinator collection number: 000700
 ICMH 837127 81A PMAHT-1 1985
 ICMH 837127 81A PMAHT-2 1984
 Total # hybrids: 12 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000701
 ICMH 837129 81A AICHIP IHT 1 1986
 ICMH 837129 81A PMIHT-1 1985
 ICMH 83729 81A AICHIP IHT 1 1985
 ICMH 88220 863A PMIHT-4 1988

*Advanced hybrids of pollinator collection number: 000701
 ICMH 837129 81A IPMAT 10 1985
 ICMH 837129 81A PMAHT-1 1985
 ICMH 837129 81A PMAHT-2 1984
 Total # hybrids: 3 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000703
 ICMH 862212 863A PMIHT-2 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000712
 ICMH 851125 81A PMIHT-1 1985
 ICMH 87223 87001 PMIHT-2 1987
 ICMH 87294 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000712
 ICMH 851125 81A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000715
 ICMH 863161 861A PMIHT-3 1987
 ICMH 863161 861A PMIHT-5 1988
 ICMH 863162 862A PMIHT-3 1987
 ICMH 863162 862A PMIHT-5 1988
 ICMH 863163 863A PMIHT-3 1987
 ICMH 863163 863A PMIHT-5 1988
 ICMH 863164 87001 PMIHT-3 1987
 ICMH 863164 87001 PMIHT-5 1988
 ICMH 863165 87002 PMIHT-3 1987
 ICMH 863165 87002 PMIHT-5 1988
 ICMH 863166 87003 PMIHT-3 1987

ICMH 863166	87003	PMIHT-5	1988
ICMH 863167	81A	PMIHT-3	1987
ICMH 863167	81A	PMIHT-5	1988
ICMH 863168	852A	PMIHT-3	1987
ICMH 863168	852A	PMIHT-5	1988
ICMH 863169	833A	PMIHT-3	1987
ICMH 863169	833A	PMIHT-5	1988
ICMH 88261	TYB	PMIHT-5	1988
ICMH 88583	TYB1	PMIHT-6	1988
ICMH 88584	TYB2	PMIHT-6	1988
ICMH 88585	TYB3	PMIHT-6	1988
ICMH 88586	TYB4	PMIHT-6	1988
ICMH 88587	863A	PMIHT-6	1988
ICMH 88588	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000715

ICMH 84814/P 841A PMAHT-1 1985

Total # hybrids: 19 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000716

ICMH 84318	81A	PMIHT-3	1984
ICMH 85109	852A	AICMIP IHT	1987
ICMH 85109	852A	PMIHT-1	1985
ICMH 852016	851A	PMIHT-2	1985
ICMH 87712	852A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000716

ICMH 84318	81A	PMAHT-1	1985
ICMH 85109	852A	IPMAT 11	1986
ICMH 85109	852A	PMADT	1988

Total # hybrids: 4 Category IPC: 1 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000718

ICMH 84337	834A	PMIHT-3	1984
ICMH 87715	852A	PMIHT-4	1987

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000720

ICMH 84414	81A	PMIHT-4	1984
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ICMH 863012	861A	PMIHT-3	1987
ICMH 863012	861A	PMIHT-5	1988
ICMH 863014	862A	PMIHT-3	1987
ICMH 863014	862A	PMIHT-5	1988
ICMH 863015	863A	PMIHT-3	1987
ICMH 863015	863A	PMIHT-5	1988
ICMH 863016	87001	PMIHT-3	1987
ICMH 863016	87001	PMIHT-5	1988
ICMH 863017	87002	PMIHT-3	1987
ICMH 863017	87002	PMIHT-5	1988
ICMH 863018	87003	PMIHT-3	1987
ICMH 863018	87003	PMIHT-5	1988
ICMH 863019	81A	PMIHT-3	1987
ICMH 863019	81A	PMIHT-5	1988
ICMH 863020	852A	PMIHT-3	1987
ICMH 863020	852A	PMIHT-5	1988
ICMH 863021	833A	PMIHT-3	1987
ICMH 863021	833A	PMIHT-5	1988
ICMH 88263	TYB	PMIHT-5	1988

*Advanced hybrids of pollinator collection number: 000720

ICMH 84414	81A	PMAHT-1	1985
Total # hybrids:			12
Category IPC:			2
Class IPC:			9.2

Initial hybrids of pollinator collection number: 000722

ICMH 84339	834A	PMIHT-3	1984
ICMH 87224	87001	PMIHT-2	1987
ICMH 87295	87002	PMIHT-2	1987
ICMH 87344	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000722

ICMH 84339	834A	PMAHT-1	1985
ICMH 87011	87002	PMAHT	1987
Total # hybrids:			5
Category IPC:			2
Class IPC:			8.3

Initial hybrids of pollinator collection number: 000724

ICMH 84306	842A	PMIHT-3	1984
ICMH 84324	842A	PMIHT-3	1984
ICMH 852017	851A	PMIHT-2	1985

ICMH 852079	851A	PMIHT-2	1985
ICMH 862135	862A	PMIHT-2	1986
ICMH 87296	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000724

ICMH 84306	842A	PMAHT-2	1985
ICMH 84324	842A	PMAHT-1	1985

Total # hybrids: 6 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000726

ICMH 87225	87001	PMIHT-2	1987
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*Advanced hybrids of pollinator collection number: 000726

ICMH 85401	81A	PMAHT-2	1985
ICMH 87225	87001	PMDAT	1988

Total # hybrids: 6 Category IPC: 2 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000728

ICMH 88055	87003	PMIHT-2	1988
ICMH 88209	87002	PMIHT-4	1988
ICMH 88221	863A	PMIHT-4	1988

Total # hybrids: 3 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000729

ICMH 84317	81A	PMIHT-3	1984
ICMH 87226	87001	PMIHT-2	1987
ICMH 87297	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000729

ICMH 84317	81A	PMAHT-2	1985
ICMH 87297	87002	PMAHT	1988

Total # hybrids: 3 Category IPC: 2 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000732

ICMH 87227	87001	PMIHT-2	1987
ICMH 87298	87002	PMIHT-2	1987
ICMH 87345	87003	PMIHT-2	1987

ICMH 88131 862A PMIHT-3 1988

*Advanced hybrids of pollinator collection number: 000732

ICMH 85406 842A PMAHT-2 1985

ICMH 85419 842A PMAHT-2 1985

Total # hybrids: 10 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000733

ICMH 87228 87001 PMIHT-2 1987

ICMH 87299 87002 PMIHT-2 1987

ICMH 88001 861A PMIHT-1 1988

ICMH 88004 862A PMIHT-1 1988

*Advanced hybrids of pollinator collection number: 000733

ICMH 85407 843A PMAHT-2 1985

Total # hybrids: 5 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000734

ICMH 87229 87001 PMIHT-2 1987

ICMH 88127 861A PMIHT-3 1988

*Advanced hybrids of pollinator collection number: 000734

ICMH 85408 81A PMAHT-2 1985

Total # hybrids: 3 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000735

ICMH 87230 87001 PMIHT-2 1987

ICMH 87300 87002 PMIHT-2 1987

ICMH 87346 87003 PMIHT-2 1987

ICMH 87708 843A PMIHT-4 1987

*Advanced hybrids of pollinator collection number: 000735

ICMH 85409 843A IPMAT 11 1986

ICMH 85409 843A PMADVHT 1987

ICMH 85409 843A PMAHT-2 1985

ICMH 85409 843A PMDAT 1988

ICMH 87300 87002 PMAHT 1988

Total # hybrids: 5 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000736

ICMH 85410	843A	PMIHT-1	1988
ICMH 85410	843A	PMIHT-3	1988
ICMH 85410	843A	PMIHT-5	1987
ICMH 87231	87001	PMIHT-2	1987
ICMH 87706	843A	PMIHT-4	1987
ICMH 87907	81A	PMIHT-5	1987
ICMH 88589	TYB1	PMIHT-6	1988
ICMH 88590	TYB2	PMIHT-6	1988
ICMH 88591	TYB3	PMIHT-6	1988
ICMH 88592	TYB4	PMIHT-6	1988
ICMH 88593	863A	PMIHT-6	1988
ICMH 88594	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000736

ICMH 85410	843A	IPMAT 12	1987
ICMH 85410	843A	PMADVHT	1987
ICMH 85410	843A	PMAHT-2	1985
ICMH 85410	843A	PMAHT-2	1986
ICMH 85410	843A	PMEAT	1988

Total # hybrids: 11 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000738

ICMH 87232	87001	PMIHT-2	1987
ICMH 87301	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000738

ICMH 85412	842A	PMAHT-2	1985
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Total # hybrids: 3 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000739

ICMH 87233	87001	PMIHT-2	1987
ICMH 88132	862A	PMIHT-3	1988

*Advanced hybrids of pollinator collection number: 000739

ICMH 85413	843A	PMAHT-2	1985
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Total # hybrids: 3 Category IPC: 2 Class IPC: 4.0

***Advanced hybrids of pollinator collection number: 000740**

ICMH 85414	81A	PMAHT-2	1985
Total # hybrids:		1 Category IPC:	2 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000742

ICMH 87234	87001	PMIHT-2	1987
ICMH 87302	87002	PMIHT-2	1987
ICMH 88002	861A	PMIHT-1	1988
ICMH 88222	863A	PMIHT-4	1988

***Advanced hybrids of pollinator collection number: 000742**

ICMH 85415	81A	PMAHT-2	1985
ICMH 87234	87001	PMDAT	1988
Total # hybrids:		9 Category IPC:	2 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000744

ICMH 87235	87001	PMIHT-2	1987
ICMH 87303	87002	PMIHT-2	1987
ICMH 87347	87003	PMIHT-2	1987

***Advanced hybrids of pollinator collection number: 000744**

ICMH 85417	843A	PMAHT-2	1985
ICMH 85417	843A	PMAHT-2	1986
Total # hybrids:		4 Category IPC:	2 Class IPC: 7.1

Total # hybrids:		4 Category IPC:	4 Class IPC: 7.2
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Initial hybrids of pollinator collection number: 000747

ICMH 87236	87001	PMIHT-2	1987
ICMH 87304	87002	PMIHT-2	1987

***Advanced hybrids of pollinator collection number: 000747**

ICMH 85420	833A	PMAHT-2	1985
Total # hybrids:		3 Category IPC:	2 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000748

ICMH 85113	833A	PMIHT-1	1985
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ICMH 87237	87001	PMIHT-2	1987
ICMH 88595	TYB1	PMIHT-6	1988
ICMH 88596	TYB2	PMIHT-6	1988
ICMH 88597	TYB3	PMIHT-6	1988
ICMH 88598	TYB4	PMIHT-6	1988
ICMH 88599	863A	PMIHT-6	1988
ICMH 88600	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000748
 ICMH 85421 843A PMAHT-2 1985
 Total # hybrids: 9 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000749
 ICMH 87238 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000749
 ICMH 85422 81A PMAHT-2 1985
 Total # hybrids: 2 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000750
 ICMH 87239 87001 PMIHT-2 1987
 ICMH 87305 87002 PMIHT-2 1987
 ICMH 87348 87003 PMIHT-2 1987
 ICMH 88005 862A PMIHT-1 1988

*Advanced hybrids of pollinator collection number: 000750
 ICMH 85423 843A PMAHT-2 1985
 ICMH 85423 843A PMAHT-2 1986
 Total # hybrids: 5 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000751
 ICMH 87240 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000751
 ICMH 85424 81A PMAHT-2 1985
 Total # hybrids: 2 Category IPC: 2 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000752
 ICMH 87241 87001 PMIHT-2 1987

ICMH 87306	87002	PMIHT-2	1987
ICMH 87349	87003	PMIHT-2	1987
ICMH 87705	843A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000752

ICMH 85425	843A	PMAHT-2	1985
ICMH 87241	87001	PMDAT	1988
ICMH 87306	87002	PMAHT	1988

Total # hybrids: 5 Category IPC: 2 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000757

ICMH 851084	834A	PMIHT-1	1985
ICMH 87242	87001	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000757

ICMH 85430	843A	PMAHT-2	1985
ICMH 85431	81A	PMAHT-2	1985
ICMH 86604	81A	PMAHT-2	1986

Total # hybrids: 5 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000761

ICMH 87243	87001	PMIHT-2	1987
ICMH 87307	87002	PMIHT-2	1987
ICMH 88601	TYB1	PMIHT-6	1988
ICMH 88602	TYB2	PMIHT-6	1988
ICMH 88603	TYB3	PMIHT-6	1988
ICMH 88604	TYB4	PMIHT-6	1988
ICMH 88605	863A	PMIHT-6	1988
ICMH 88606	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 000761

ICMH 85433	843A	PMAHT-2	1985
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Total # hybrids: 9 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000763

ICMH 87245	87001	PMIHT-2	1987
ICMH 87308	87002	PMIHT-2	1987
ICMH 87350	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000763
 ICMH 85435 843A PMAHT-2 1985
 ICMH 85435 843A PMAHT-2 1986
 ICMH 87308 87002 PMAHT 1988
 Total # hybrids: 4 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000764
 ICMH 87246 87001 PMIHT-2 1987
 ICMH 87309 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000764
 ICMH 85436 81A PMAHT-2 1985
 Total # hybrids: 3 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000765
 ICMH 87247 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000765
 ICMH 85437 843A PMAHT-2 1985
 Total # hybrids: 2 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000767
 ICMH 851016 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000768
 ICMH 851101 81A PMIHT-1 1985
 ICMH 862214 863A PMIHT-2 1986
 ICMH 87248 87001 PMIHT-2 1987
 ICMH 87351 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000768
 ICMH 851101 81A PMAHT-1 1986
 Total # hybrids: 4 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000769
 ICMH 851039 81A ICSC-SS 1987

ICMH 851039 81A PMIHT-1 1985

*Advanced hybrids of pollinator collection number: 000769

ICMH 851039 81A PMAHT-1 1986

Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000770

ICMH 851108 81A PMIHT-1 1985

ICMH 87249 87001 PMIHT-2 1987

ICMH 87310 87002 PMIHT-2 1987

ICMH 87352 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000770

ICMH 851108 81A PMAHT-1 1986

Total # hybrids: 4 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000772

ICMH 851054 81A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000773

ICMH 851043 81A ICSC-SS 1987

ICMH 851043 81A PMIHT-1 1985

*Advanced hybrids of pollinator collection number: 000773

ICMH 851043 81A PMAHT-1 1986

Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000774

ICMH 851083 81A ICSC-SS 1987

ICMH 851083 81A PMIHT-1 1985

ICMH 87250 87001 PMIHT-2 1987

ICMH 87311 87002 PMIHT-2 1987

ICMH 87353 87003 AICPMIP 1988

ICMH 87353 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000774

ICMH 851083 81A PMAHT-1 1986

ICMH 87353 87003 AICPMIP 1988

ICMH 87353 87003 PMEAT 1988

Total # hybrids: 4 Category IPC: 1 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000775
 ICMH 851070 81A ICSC-SS 1987
 ICMH 851070 81A PMIHT-1 1985
 ICMH 87070 87001 PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 000775
 ICMH 851070 81A PMAHT-1 1986
 Total # hybrids: 2 Category IPC: . 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000776
 ICMH 851008 81A ICSC-SS 1987
 ICMH 87251 87001 PMIHT-2 1987
 ICMH 87312 87002 PMIHT-2 1987
 ICMH 87354 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000776
 ICMH 851008 81A PMAHT-1 1986
 ICMH 87251 87001 PMLAT 1988
 Total # hybrids: 4 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000777
 ICMH 851068 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000778
 ICMH 851110 841A ICSC-SS 1987
 ICMH 851110 841A PMINT-1 1985
 ICMH 87252 87001 PMINT-2 1987
 ICMH 87313 87002 PMINT-2 1987

*Advanced hybrids of pollinator collection number: 000778
 ICMH 851110 841A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000779
 ICMH 851077 841A PMIHT-1 1985

ICMH 87253	87001	PMIHT-2	1987
ICMH 87314	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000779
 ICMH 851077 841A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000780
 ICMH 851122 841A ICSC-SS 1987
 ICMH 851122 841A PMIHT-1 1985
 ICMH 862215 863A PMIHT-2 1986
 ICMH 87254 87001 PMIHT-2 1987
 ICMH 87315 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000780
 ICMH 851122 841A PMAHT-1 1986
 Total # hybrids: 4 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000781
 ICMH 851116 841A ICSC-SS 1987
 ICMH 851116 841A PMIHT-1 1985
 ICMH 87112 862A PMIHT-1 1987
 ICMH 87255 87001 PMIHT-2 1987
 ICMH 87316 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000781
 ICMH 851116 841A PMAHT-1 1986
 Total # hybrids: 4 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000782
 ICMH 851053 841A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000785
 ICMH 851017 843A ICSC-SS 1987
 ICMH 851017 843A PMIHT-1 1985
 ICMH 87256 87001 PMIHT-2 1987

ICMH 87317 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000785

ICMH 851017 843A PMAHT-1 1986

ICMH 851017 843A PHEAT 1988

Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000786

ICMH 851131 843A PMIHT-1 1985

ICMH 87257 87001 PMIHT-2 1987

ICMH 87318 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000786

ICMH 851131 843A PMADT 1988

ICMH 851131 843A PMAHT-1 1986

ICMH 851131 843A PHEAT 1988

Total # hybrids: 3 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000789

ICMH 84109 81A PMIHT-1 1984

ICMH 84109 81A PMIHT-1 1985

*Advanced hybrids of pollinator collection number: 000789

ICMH 84109 81A PMAHT-1 1986

Total # hybrids: 1 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000795

ICMH 84309 842A PMIHT-3 1984

ICMH 851115 852A PMIHT-1 1985

ICMH 852081 851A PMIHT-2 1985

ICMH 88607 TYB1 PMIHT-6 1988

ICMH 88608 TYB2 PMIHT-6 1988

ICMH 88609 TYB3 PMIHT-6 1988

ICMH 88610 TYB4 PMIHT-6 1988

ICMH 88611 863A PMIHT-6 1988

ICMH 88612 81A PMIHT-6 1988

*Advanced hybrids of pollinator collection number: 000795

ICMH 503 843A IPMAT 9 1984

ICMH 851115 852A PMAHT-1 1986

Total # hybrids: 10 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 000801

ICMH 851055	843A	ICSC-SS	1987
ICMH 851055	843A	PMIHT-1	1985
ICMH 87258	87001	PMIHT-2	1987
ICMH 87319	87002	PMIHT-2	1987
ICMH 88118	862A	PMIHT-3	1988
ICMH 88223	863A	PMIHT-4	1988

*Advanced hybrids of pollinator collection number: 000801

ICMH 851055	843A	PMAHT-1	1986
Total # hybrids:	5	Category IPC:	2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000802

ICMH 851018	843A	ICSC-SS	1987
ICMH 851018	843A	PMIHT-1	1985
ICMH 85118	843A	AICPMIP	1988
ICMH 87259	87001	PMIHT-2	1987
ICMH 87320	87002	PMIHT-2	1987
ICMH 87703	843A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000802

ICMH 851018	843A	PMAHT	1987
ICMH 851018	843A	PMAHT-1	1986
ICMH 85118	843A	AICPMIP	1988
Total # hybrids:	6	Category IPC:	1 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000803

ICMH 851086	843A	PMIHT-1	1985
ICMH 88210	87002	PMIHT-4	1988
ICMH 88613	TYB1	PMIHT-6	1988
ICMH 88614	TYB2	PMIHT-6	1988
ICMH 88615	TYB3	PMIHT-6	1988
ICMH 88616	TYB4	PMIHT-6	1988
ICMH 88617	863A	PMIHT-6	1988
ICMH 88618	81A	PMIHT-6	1988
Total # hybrids:	8	Category IPC:	3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000804

ICMH 851028	843A	PMIHT-1	1985
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ICMH 88117	862A	PMIHT-3	1988
ICMH 88211	87002	PMIHT-4	1988
Total # hybrids: 3 Category IPC: 3 Class IPC: 4.0			

Initial hybrids of pollinator collection number: 000805

ICMH 851069	843A	PMIHT-1	1985
ICMH 87260	87001	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 000805

ICMH 851069	843A	PMAHT-1	1986
Total # hybrids: 2 Category IPC: 2 Class IPC: 9.3			

Initial hybrids of pollinator collection number: 000809

ICMH 851099	834A	ICSC-6S	1987
ICMH 851099	834A	PMIHT-1	1985
ICMH 86217	863A	AICMIP IHT	1987
ICMH 86217	863A	PMIHT-2	1986
ICMH 87261	87001	PMIHT-2	1987
ICMH 87321	87002	PMIHT-2	1987
ICMH 87355	87003	PMIHT-2	1987
ICMH 87751	863A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000809

ICMH 851099	834A	PMAHT-1	1986
ICMH 86217	863A	PMADT	1988
Total # hybrids: 6 Category IPC: 1 Class IPC: 1.0			

Initial hybrids of pollinator collection number: 000811

ICMH 851056	842A	PMIHT-1	1985
ICMH 87262	87001	PMIHT-2	1987
ICMH 87322	87002	PMIHT-2	1987
ICMH 87356	87003	PMIHT-2	1987
ICMH 87702	81A	PMIHT-4	1987
ICMH 87711	852A	PMIHT-4	1987
ICMH 88224	863A	PMIHT-4	1988

*Advanced hybrids of pollinator collection number: 000811

ICMH 85403	843A	PMAHT-2	1985
ICMH 87262	87001	PMLAT	1988
Total # hybrids: 8 Category IPC: 2 Class IPC: 6.1			

Initial hybrids of pollinator collection number: 000812
 ICMH 851107 843A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.4

Initial hybrids of pollinator collection number: 000813^{*}
 ICMH 851045 842A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 000814
 ICMH 851135 834A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000816
 ICMH 851137 843A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000817
 ICMH 851134 843A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000819
 ICMH 851130 81A PMIHT-1 1985
 ICMH 862079 861A PMIHT-2 1986
 ICMH 862218 863A PMIHT-2 1986
 ICMH 87263 87001 PMIHT-2 1987
 ICMH 87323 87002 PMIHT-2 1987
 ICMH 87357 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 000819
 ICMH 851130 81A PMAHT-1 1986
 ICMH 87263 87001 PMLAT 1988
 Total # hybrids: 6 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000820
 ICMH 851058 843A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000821

ICMH 851046 843A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000822

ICMH 851127 843A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000827

ICMH 851019 842A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.1

Initial hybrids of pollinator collection number: 000828

ICMH 851029 843A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.1

Initial hybrids of pollinator collection number: 000829

ICMH 88212 87002 PMIHT-4 1988

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000835

ICMH 851042 843A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000836

ICMH 851100 842A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 000837

ICMH 84315 81A PMIHT-3 1984

ICMH 851132 834A PMIHT-1 1985

ICMH 852014 851A PMIHT-2 1985
 Total # hybrids: 3 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000838

ICMH 851059 843A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000839

ICMH 88102 87001 PMIHT-3 1988
 ICMH 88619 TYB1 PMIHT-6 1988
 ICMH 88620 TYB2 PMIHT-6 1988
 ICMH 88621 TYB3 PMIHT-6 1988
 ICMH 88622 TYB4 PMIHT-6 1988
 ICMH 88623 863A PMIHT-6 1988
 ICMH 88624 81A PMIHT-6 1988
 Total # hybrids: 7 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 000843

ICMH 851089 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000845

ICMH 851049 843A PMIHT-1 1985
 ICMH 88056 87003 PMIHT-2 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000847

ICMH 851085 833A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000848

ICMH 851022 833A PMIHT-1 1985
 ICMH 861030 81A PMIHT-1 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.3

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.1

Total # hybrids: 4 Category IPC: 4 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000861

ICMH 88625	TYB1	PMIHT-6	1988
ICMH 88626	TYB2	PMIHT-6	1988
ICMH 88627	TYB3	PMIHT-6	1988
ICMH 88628	TYB4	PMIHT-6	1988
ICMH 88629	863A	PMIHT-6	1988
ICMH 88630	81A	PMIHT-6	1988

Total # hybrids: 10 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 000870

ICMH 87049	862A	PMIHT-1	1987
ICMH 88103	87001	PMIHT-3	1988

*Advanced hybrids of pollinator collection number: 000870

ICMH 87012	87002	PMAHT	1987
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Total # hybrids: 3 Category IPC: 2 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000874

ICMH 88213	87002	PMIHT-4	1988
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Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000878

ICMH 862080	861A	PMIHT-2	1986
ICMH 862219	863A	PMIHT-2	1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number: 000883

ICMH 88118	862A	PMIHT-3	1988
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Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000885

ICMH 862220	863A	PMIHT-2	1986
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ICMH 88631	TYB1	PMIHT-6	1988
ICMH 88632	TYB2	PMIHT-6	1988
ICMH 88633	TYB3	PMIHT-6	1988
ICMH 88634	TYB4	PMIHT-6	1988
ICMH 88635	863A	PMIHT-6	1988
ICMH 88636	81A	PMIHT-6	1988

Total # hybrids: 7 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000886

ICMH 87729	861A	PMIHT-4	1987
ICMH 88104	87001	PMIHT-3	1988
ICMH 88214	87002	PMIHT-4	1988

Total # hybrids: 3 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000890

ICMH 87746	863A	PMIHT-4	1987
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000891

ICMH 861060	843A	PMIHT-1	1986
ICMH 87735	863A	PMIHT-4	1987

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000892

ICMH 861038	81A	PMIHT-1	1986
ICMH 87745	863A	PMIHT-4	1987

*Advanced hybrids of pollinator collection number: 000892

ICMH 87745	863A	PMAHT	1988
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Total # hybrids: 2 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000893

ICMH 861026	843A	PMIHT-1	1986
ICMH 88225	863A	PMIHT-4	1988

Total # hybrids: 2 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000894
ICMH 87767 863A PMIHT-4 1987
Total # hybrids: 5 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000895
ICMH 861047 843A PMIHT-1 1986
ICMH 87768 863A PMIHT-4 1987
Total # hybrids: 2 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000896
ICMH 862081 861A PMIHT-2 1986
ICMH 862221 863A PMIHT-2 1986
ICMH 87771 863A PMIHT-4 1987
Total # hybrids: 7 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000897
ICMH 87772 863A PMIHT-4 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000899
ICMH 88128 861A PMIHT-3 1988
Total # hybrids: 9 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 000900
ICMH 862082 861A PMIHT-2 1986
ICMH 862222 863A PMIHT-2 1986
Total # hybrids: 6 Category IPC: 3 Class IPC: 7.2

*Advanced hybrids of pollinator collection number: 000902
ICMH 87013 87002 PMAHT 1987
Total # hybrids: 1 Category IPC: 2 Class IPC: 9.2

Initial hybrids of pollinator collection number: 000909
ICMH 88119 862A PMIHT-3 1988

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 000925

ICMH 862083 861A PMIHT-2 1986

ICMH 862223 863A PMIHT-2 1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000934

ICMH 862224 863A PMIHT-2 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.3

Initial hybrids of pollinator collection number: 000942

ICMH 87704 843A PMIHT-4 1987

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 000946

ICMH 861035 843A PMIHT-1 1986

ICMH 88057 87003 PMIHT-2 1988

ICMH 88105 87001 PMIHT-3 1988

Total # hybrids: 3 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000951

ICMH 862085 861A PMIHT-2 1986

ICMH 862225 863A PMIHT-2 1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Total # hybrids: 3 Category IPC: 4 Class IPC: 9.4

Initial hybrids of pollinator collection number: 000981

ICMH 88120 862A PMIHT-3 1988

ICMH 88226 863A PMIHT-4 1988

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 000985			
ICMH 87744	863A	PMIHT-4	1987
Total # hybrids:	1	Category IPC:	3 Class IPC: 9.3
Initial hybrids of pollinator collection number: 000989			
ICMH 862088	861A	PMIHT-2	1986
ICMH 87060	87001	PMIHT-1	1987
*Advanced hybrids of pollinator collection number: 000989			
ICMH 87014	87002	PMAHT	1987
Total # hybrids:	3	Category IPC:	2 Class IPC: 10.0
Initial hybrids of pollinator collection number: 000996			
ICMH 87765	863A	PMIHT-4	1987
ICMH 88106	87001	PMIHT-3	1988
Total # hybrids:	6	Category IPC:	3 Class IPC: 10.0
Initial hybrids of pollinator collection number: 000998			
ICMH 862227	863A	PMIHT-2	1986
Total # hybrids:	1	Category IPC:	3 Class IPC: 5.0
Initial hybrids of pollinator collection number: 001030			
ICMH 862081	861A	PMIHT-2	1986
ICMH 862232	863A	PMIHT-2	1986
ICMH 87728	861A	PMIHT-4	1987
Total # hybrids:	3	Category IPC:	3 Class IPC: 9.3
Initial hybrids of pollinator collection number: 001031			
ICMH 87732	861A	PMIHT-4	1987
Total # hybrids:	1	Category IPC:	3 Class IPC: 8.4
Initial hybrids of pollinator collection number: 001039			
ICMH 862094	861A	PMIHT-2	1986
ICMH 862235	863A	PMIHT-2	1986

ICMH 88121 862A PMIHT-3 1988
 Total # hybrids: 3 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 001040
 ICMH 87741 863A PMIHT-4 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001046
 ICMH 862141 862A PMIHT-2 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001054
 ICMH 87061 87001 PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.1

Initial hybrids of pollinator collection number: 001060
 ICMH 87763 863A PMIHT-4 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001061
 ICMH 862025 861A PMIHT-2 1986
 ICMH 862142 862A PMIHT-2 1986
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001067
 ICMH 861042 81A PMIHT-1 1986
 ICMH 87730 861A PMIHT-4 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001071
 ICMH 862095 861A PMIHT-2 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 001076
ICMH 88003 861A PMIHT-1 1988
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.1

Initial hybrids of pollinator collection number: 001089
ICMH 88133 862A PMIHT-3 1988
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001097
ICMH 88122 862A PMIHT-3 1988
ICMH 88227 863A PMIHT-4 1988
Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001107
ICMH 862098 861A PMIHT-2 1986
ICMH 862236 863A PMIHT-2 1986
Total # hybrids: 2 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number: 001108
ICMH 862099 861A PMIHT-2 1986
ICMH 862237 863A PMIHT-2 1986
Total # hybrids: 2 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number: 001116
ICMH 862100 861A PMIHT-2 1986
ICMH 862238 863A PMIHT-2 1986
Total # hybrids: 2 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 001134
ICMH 87743 863A PMIHT-4 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001138
ICMH 862103 861A PMIHT-2 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 4.0

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.1

Initial hybrids of pollinator collection number: 001159

ICMH 88134 862A PMIHT-3 1988

ICMH 88228 863A PMIHT-4 1988

Total # hybrids: 2 Category IPC: 3 Class IPC: 7.1

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.1

Initial hybrids of pollinator collection number: 001173

ICMH 861040 81A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001174

ICMH 87773 863A PMIHT-4 1987

Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001177

ICMH 851047 843A PMIHT-1 1985

ICMH 87265 87001 PMIHT-2 1987

ICMH 87325 87002 PMIHT-2 1987

ICMH 87359 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001177

ICMH 85304 81A PMAHT-1 1985

Total # hybrids: 5 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001179

ICMH 88059 87003 PMIHT-2 1988

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001197

ICMH 88123 862A PMIHT-3 1988

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001213
 ICMH 87266 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001213
 ICMH 86605 81A PMAHT-2 1986
 Total # hybrids: 2 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001218
 ICMH 87757 863A PMIHT-4 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.4

Initial hybrids of pollinator collection number: 001231
 ICMH 87063 87001 PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 001231
 ICMH 87063 87001 PMLAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 5.0

Initial hybrids of pollinator collection number: 001237
 ICMH 87731 861A PMIHT-4 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001239
 ICMH 87065 87001 PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 001239
 ICMH 87065 87001 PMLAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001249
 ICMH 861043 81A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001254

ICMH 861039	81A	PMIHT-1	1986
ICMH 862111	861A	PMIHT-2	1986
ICMH 86245	863A	PMIHT-2	1986
ICMH 87749	863A	PMIHT-4	1987
ICMH 88637	TYB1	PMIHT-6	1988
ICMH 88638	TYB2	PMIHT-6	1988
ICMH 88639	TYB3	PMIHT-6	1988
ICMH 88640	TYB4	PMIHT-6	1988
ICMH 88641	863A	PMIHT-6	1988
ICMH 88642	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001254

ICMH 86245	863A	IPMAT 12	1987
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Total # hybrids: 10 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001262

ICMH 861052	843A	PMIHT-1	1986
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001266-

ICMH 87758	863A	PMIHT-4	1987
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Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001267

ICMH 87760	863A	PMIHT-4	1987
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Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001268

ICMH 87766	863A	PMIHT-4	1987
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Total # hybrids: 5 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001273

ICMH 87906	87001	PMIHT-1	1988
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ICMH 87906	87001	PMIHT-5	1987
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Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Total # hybrids: 4 Category IPC: 4 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001283

ICMH 861049 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 001291

ICMH 88129 861A PMIHT-3 1988

Total # hybrids: 5 Category IPC: 3 Class IPC: 7.2

*Advanced hybrids of pollinator collection number: 001303

EICH 8316 5141A PMAHT-1 1984

Total # hybrids: 1 Category IPC: 2 Class IPC: 9.4

*Advanced hybrids of pollinator collection number: 001304

EICH 8317 5141A PMAHT-1 1984

Total # hybrids: 1 Category IPC: 2 Class IPC: 7.4

Initial hybrids of pollinator collection number: 001306

ICMH 502 843A AICMIP IHT 1 1984

ICMH 87267 87001 PMIHT-2 1987

ICMH 87326 87002 PMIHT-2 1987

ICMH 88643 TYB1 PMIHT-6 1988

ICMH 88644 TYB2 PMIHT-6 1988

ICMH 88645 TYB3 PMIHT-6 1988

ICMH 88646 TYB4 PMIHT-6 1988

ICMH 88647 863A PMIHT-6 1988

ICMH 88648 81A PMIHT-6 1988

Total # hybrids: 9 Category IPC: 1 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001307

ICMH 87268 87001 PMIHT-2 1987

ICMH 88649 TYB1 PMIHT-6 1988

ICMH 88650	TYB2	PMIHT-6	1988
ICMH 88651	TYB3	PMIHT-6	1988
ICMH 88652	TYB4	PMIHT-6	1988
ICMH 88653	863A	PMIHT-6	1988
ICMH 88654	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001307.
 ICMH 504 843A IPMAT 9 1984
 Total # hybrids: 8 Category IPC: 1 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001309

ICMH 82601	81A	AICMIP IHT 1	1985
ICMH 863042	861A	PMIHT-3	1987
ICMH 863042	861A	PMIHT-5	1988
ICMH 863043	862A	PMIHT-3	1987
ICMH 863043	862A	PMIHT-5	1988
ICMH 863044	863A	PMIHT-3	1987
ICMH 863044	863A	PMIHT-5	1988
ICMH 863045	87001	PMIHT-3	1987
ICMH 863045	87001	PMIHT-5	1988
ICMH 863047	87002	PMIHT-3	1987
ICMH 863047	87002	PMIHT-5	1988
ICMH 863048	87003	PMIHT-3	1987
ICMH 863048	87003	PMIHT-5	1988
ICMH 863049	81A	PMIHT-3	1987
ICMH 863049	81A	PMIHT-5	1988
ICMH 863050	852A	PMIHT-3	1987
ICMH 863050	852A	PMIHT-5	1988
ICMH 863051	833A	PMIHT-3	1987
ICMH 863051	833A	PMIHT-5	1988
ICMH 88266	TYB	PMIHT-5	1988
ICMH 88661	TYB1	PMIHT-6	1988
ICMH 88662	TYB2	PMIHT-6	1988
ICMH 88663	TYB3	PMIHT-6	1988
ICMH 88664	TYB4	PMIHT-6	1988
ICMH 88665	863A	PMIHT-6	1988
ICMH 88666	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001309
 ICMH 82601 81A IPMAT 9 1984
 Total # hybrids: 18 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001310
 ICMH 87327 87002 PMIHT-2 1987
 ICMH 87360 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001310
 ICMH 83509 852A PMAHT-1 1984
 Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001311
 ICMH 87269 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001311
 ICMH 83511 843A PMAHT-1 1984
 Total # hybrids: 2 Category IPC: 2 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001314
 ICMH 851015 81A ICSC-SS 1987
 ICMH 851015 81A PMIHT-1 1985
 ICMH 87270 87001 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001314
 ICMH 837041 5141A PMAHT-2 1984
 ICMH 851015 81A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001315
 ICMH 87271 87001 PMIHT-2 1987
 ICMH 87328 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001315
 ICMH 837100 5054A PMAHT-2 1984
 Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001316
 ICMH 851066 834A PMIHT-1 1985
 ICMH 87272 87001 PMIHT-2 1987

ICMH 87329 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001316

ICMH 837103 5054A PMAHT-2 1984

Total # hybrids: 4 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001317

ICMH 87273 87001 PMIHT-2 1987

ICMH 87330 87002 PMIHT-2 1987

ICMH 88124 862A PMIHT-3 1988

*Advanced hybrids of pollinator collection number: 001317

ICMH 837108 5054A PMAHT-2 1984

Total # hybrids: 4 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001318

ICMH 863121 861A PMIHT-3 1987

ICMH 863121 861A PMIHT-5 1988

ICMH 863122 862A PMIHT-3 1987

ICMH 863122 862A PMIHT-5 1988

ICMH 863123 863A PMIHT-3 1987

ICMH 863123 863A PMIHT-5 1988

ICMH 863124 87001 PMIHT-3 1987

ICMH 863124 87001 PMIHT-5 1988

ICMH 863125 87002 PMIHT-3 1987

ICMH 863125 87002 PMIHT-5 1988

ICMH 863127 87003 PMIHT-3 1987

ICMH 863127 87003 PMIHT-5 1988

ICMH 863128 81A PMIHT-3 1987

ICMH 863128 81A PMIHT-5 1988

ICMH 863129 852A PMIHT-3 1987

ICMH 863129 852A PMIHT-5 1988

ICMH 863130 833A PMIHT-3 1987

ICMH 863130 833A PMIHT-5 1988

ICMH 88257 TYB PMIHT-5 1988

ICMH 88667 TYB1 PMIHT-6 1988

ICMH 88668 TYB2 PMIHT-6 1988

ICMH 88669 TYB3 PMIHT-6 1988

ICMH 88670 TYB4 PMIHT-6 1988

ICMH 88671	863A	PMIHT-6	1988
ICMH 88672	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001318

ICMH 837120	81A	AICMIP AHT	1987
ICMH 837120	81A	IPMAT 10	1985
ICMH 837120	81A	PMAHT-2	1984

Total # hybrids: 19 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001319

ICMH 88673	TYB1	PMIHT-6	1988
ICMH 88674	TYB2	PMIHT-6	1988
ICMH 88675	TYB3	PMIHT-6	1988
ICMH 88676	TYB4	PMIHT-6	1988
ICMH 88677	863A	PMIHT-6	1988
ICMH 88678	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001319

ICMH 837126	81A	PMAHT-2	1984
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Total # hybrids: 7 Category IPC: 2 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001320

ICMH 87274	87001	PMIHT-2	1987
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*Advanced hybrids of pollinator collection number: 001320

ICMH 837128	81A	PMAHT-1	1985
ICMH 837128	81A	PMAHT-2	1984

Total # hybrids: 2 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001321

ICMH 87275	87001	PMIHT-2	1987
ICMH 87331	87002	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 001321

ICMH 837130	81A	PMAHT-1	1985
ICMH 837130	81A	PMAHT-2	1984

Total # hybrids: 3 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001322
 ICMH 87332 87002 PMIHT-2 1987
 ICMH 88229 863A PMIHT-4 1988

*Advanced hybrids of pollinator collection number: 001322
 ICMH 837131 81A PMAHT-1 1985
 ICMH 837131 81A PMAHT-2 1984
 ICMH 87332 87002 PMAHT 1988
 Total # hybrids: 3 Category IPC: 2 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001323
 ICMH 87775 863A PMIHT-4 1987

*Advanced hybrids of pollinator collection number: 001323
 ICMH 837135 81A PMAHT-1 1985
 ICMH 837135 81A PMAHT-2 1984
 Total # hybrids: 2 Category IPC: 2 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001324
 ICMH 84118 81A PMIHT-1 1984
 ICMH 88060 87003 PMIHT-2 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001325
 ICMH 84120 81A PMIHT-1 1984
 ICMH 88110 861A PMIHT-3 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001326
 ICMH 84313 81A PMIHT-3 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001327
 ICMH 84314 81A PMIHT-3 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001328
 ICMH 84346 852A PMIHT-3 1984
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.4

Initial hybrids of pollinator collection number: 001329

ICMH 84913	81A	AICMIP IHT 1	1986
ICMH 863081	861A	PMIHT-3	1987
ICMH 863081	861A	PMIHT-5	1988
ICMH 863083	862A	PMIHT-3	1987
ICMH 863083	862A	PMIHT-5	1988
ICMH 863084	863A	PMIHT-3	1987
ICMH 863084	863A	PMIHT-5	1988
ICMH 863085	87001	PMIHT-3	1987
ICMH 863085	87001	PMIHT-5	1988
ICMH 863086	87002	PMIHT-3	1987
ICMH 863086	87002	PMIHT-5	1988
ICMH 863087	87003	PMIHT-3	1987
ICMH 863087	87003	PMIHT-5	1988
ICMH 863088	81A	PMIHT-3	1987
ICMH 863088	81A	PMIHT-5	1988
ICMH 863089	852A	PMIHT-3	1987
ICMH 863089	852A	PMIHT-5	1988
ICMH 863090	833A	PMIHT-3	1987
ICMH 863090	833A	PMIHT-5	1988
ICMH 88253	TYB	PMIHT-5	1988
ICMH 88679	TYB1	PMIHT-6	1988
ICMH 88680	TYB2	PMIHT-6	1988
ICMH 88681	TYB3	PMIHT-6	1988
ICMH 88682	TYB4	PMIHT-6	1988
ICMH 88683	863A	PMIHT-6	1988
ICMH 88684	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001329

ICMH 84913	81A	AICMIP AHT	1987
ICMH 84913	81A	PMADT	1986
ICMH 84913	81A	PMAHT-1	1985

Total # hybrids: 19 Category IPC: 1 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001330

ICMH 863101	861A	PMIHT-3	1987
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ICMH 863101	861A	PMIHT-5	1988
ICMH 863102	862A	PMIHT-3	1987
ICMH 863102	862A	PMIHT-5	1988
ICMH 863103	863A	PMIHT-3	1987
ICMH 863103	863A	PMIHT-5	1988
ICMH 863105	87001	PMIHT-3	1987
ICMH 863105	87001	PMIHT-5	1988
ICMH 863106	87002	PMIHT-3	1987
ICMH 863106	87002	PMIHT-5	1988
ICMH 863107	87003	PMIHT-3	1987
ICMH 863107	87003	PMIHT-5	1988
ICMH 863108	81A	PMIHT-3	1987
ICMH 863108	81A	PMIHT-5	1988
ICMH 863109	852A	PMIHT-3	1987
ICMH 863109	852A	PMIHT-5	1988
ICMH 863110	833A	PMIHT-3	1987
ICMH 863110	833A	PMIHT-5	1988
ICMH 88255	TYB	PMIHT-5	1988

*Advanced hybrids of pollinator collection number: 001330

ICMH 84925	81A	PMAHT-1	1985
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Total # hybrids: 12 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001331

ICMH 851013	81A	PMIHT-1	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001334

ICMH 851023	843A	PMIHT-1	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001335

ICMH 851025	81A	PMIHT-1	1985
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ICMH 851033	833A	PMIHT-1	1985
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Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001336

ICMH 851032	834A	PMIHT-1	1985
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ICMH 851060 843A PMIHT-1 1985
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001339
 ICMA 851051 81A PMIHT-1 1985
 ICMA 87361 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001339
 ICMA 851051 81A PMAHT-1 1986
 Total # hybrids: 2 Category IPC: 2 Class IPC: 4.0

Initial hybrids of pollinator collection number: 001342
 ICMA 851063 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001343
 ICMA 851064 843A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001345
 ICMA 851067 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001346
 ICMA 851073 81A PMIHT-1 1985
 ICMA 851123 834A PMIHT-1 1985
 ICMA 87333 87002 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001346
 ICMA 851073 81A PMAHT-1 1986
 ICMA 87333 87002 PMAHT 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001347
 ICMA 851079 81A PMIHT-1 1985

*Advanced hybrids of pollinator collection number: 001347
 ICMH 851079 81A PMAHT-1 1986
 Total # hybrids: 1 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001348.
 ICMH 851080 834A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001349
 ICMH 851081 81A PMIHT-1 1985
 ICMH 851128 833A PMIHT-1 1985
 ICMH 87334 87002 PMIHT-2 1987
 ICMH 87723 861A PMIHT-4 1987

*Advanced hybrids of pollinator collection number: 001349
 ICMH 851128 833A PMAHT-1 1986
 ICMH 87334 87002 PMAHT 1988
 Total # hybrids: 4 Category IPC: 2 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001351
 ICMH 851096 81A PMIHT-1 1985
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001352
 ICMH 851112 81A ICSC-SS 1987
 ICMH 851112 81A PMIHT-1 1985
 ICMH 87335 87002 PMIHT-2 1987
 ICMH 87362 87003 PMIHT-2 1987

*Advanced hybrids of pollinator collection number: 001352
 ICMH 851112 81A PMAHT-1 1986
 Total # hybrids: 3 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001353
 ICMH 851124 834A PMIHT-1 1985

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001354

ICMH 86145	861A	PMIHT-2	1986
ICMH 87724	861A	PMIHT-4	1987
ICMH 87776	863A	PMIHT-4	1987
ICMH 88685	TYB1	PMIHT-6	1988
ICMH 88686	TYB2	PMIHT-6	1988
ICMH 88687	TYB3	PMIHT-6	1988
ICMH 88688	TYB4	PMIHT-6	1988
ICMH 88689	863A	PMIHT-6	1988
ICMH 88690	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001354

ICMH 86145	861A	IPMAT 12	1987
ICMH 86145	861A	PMLAT	1988

Total # hybrids: 9 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001355

ICMH 851136	81A	PMIHT-1	1985
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Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001356

ICMH 87336	87002	PMIHT-2	1987
ICMH 87363	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 001356

ICMH 85303	834A	PMAHT-1	1985
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Total # hybrids: 3 Category IPC: 2 Class IPC: 4.0

Initial hybrids of pollinator collection number: 001357

ICMH 87337	87002	PMIHT-2	1987
ICMH 87364	87003	PMIHT-2	1987

*Advanced hybrids of pollinator collection number: 001357

ICMH 85306	843A	PMAHT-1	1985
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Total # hybrids: 3 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001359
 ICMH 87709 843A PMIHT-4 1987
 ICMH 87713 852A PMIHT-4 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 001360
 ICMH 861064 842A PMIHT-1 1986
 ICMH 87701 81A PMIHT-4 1987
 ICMH 87710 852A PMIHT-4 1987
 ICMH 88061 87003 PMIHT-2 1988
 Total # hybrids: 4 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001361
 ICMH 861085 842A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001363
 ICMH 861065 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001364
 ICMH 861066 834A PMIHT-1 1986
 ICMH 87707 843A PMIHT-4 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001365
 ICMH 861067 834A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001366
 ICMH 861076 834A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001368
 ICMH 861069 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.1

Initial hybrids of pollinator collection number: 001369

ICMH 861070 834A PMIHT-1 1986

ICMH 88006 862A PMIHT-1 1988

ICMH 88062 87003 PMIHT-2 1988

ICMH 88231 861A PMIHT-4 1988

Total # hybrids: 8 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001370

ICMH 861071 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001371

ICMH 861077 834A PMIHT-1 1986

ICMH 861078 834A PMIHT-1 1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001372

ICMH 861086 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.1

Initial hybrids of pollinator collection number: 001373

ICMH 861087 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001374

ICMH 861088 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001375

ICMH 861089 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001376
ICMH 861090 834A PMIHT-1 1986
Total # hybrids: 5 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001377
ICMH 861091 834A PMIHT-1 1986
Total # hybrids: 5 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001378
ICMH 861092 834A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001383
ICMH 861095 834A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001384
ICMH 861072 833A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 5.0

Initial hybrids of pollinator collection number: 001385
ICMH 861073 833A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.1

Initial hybrids of pollinator collection number: 001386
ICMH 861074 833A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001388
ICMH 861079 87003 PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001389
ICMH 861080 863A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.1

Initial hybrids of pollinator collection number: 001392

ICMH 861083 863A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 4.0

Initial hybrids of pollinator collection number: 001393

ICMH 861096 81A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001394

ICMH 861097 81A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001397

ICMH 861100 81A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001398

ICMH 861102 843A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001400

ICMH 861103 843A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001401

ICMH 861104 843A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001402

ICMH 861106 843A PMIHT-1 1986

Total # hybrids: 5 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001404
ICMH 861108 843A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001405
ICMH 861109 843A PMIHT-1 1986
Total # hybrids: 4 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001406
ICMH 861110 843A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001409
ICMH 861113 81A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001410
ICMH 861114 81A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001411
ICMH 861115 81A PMIHT-1 1986
ICMH 88111 861A PMIHT-3 1988
Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001412
ICMH 861116 81A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001413
ICMH 861117 81A PMIHT-1 1986
Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001414
 ICMH 861118 81A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001415
 ICMH 861119 81A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001416
 ICMH 861120 81A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001420
 ICMH 861124 833A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001422
 ICMH 861126 833A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001423
 ICMH 861127 833A PMIHT-1 1986
 ICMH 87048 861A PMIHT-1 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001424
 ICMH 861128 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001425
 ICMH 861129 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.5

Initial hybrids of pollinator collection number: 001426
 ICMH 861130 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001428
 ICMH 861132 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.2

Initial hybrids of pollinator collection number: 001430
 ICMH 861134 834A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001433
 ICMH 861136 834A PMIHT-1 1986
 ICMH 88063 87003 PMIHT-2 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001435
 ICMH 861137 841A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001437
 ICMH 861139 841A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001439
 ICMH 88691 TYB1 PMIHT-6 1988
 ICMH 88692 TYB2 PMIHT-6 1988
 ICMH 88693 TYB3 PMIHT-6 1988
 ICMH 88694 TYB4 PMIHT-6 1988
 ICMH 88695 863A PMIHT-6 1988
 ICMH 88696 81A PMIHT-6 1988
 Total # hybrids: 10 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001441
 ICMH 88230 863A PMIHT-4 1988
 Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001443

ICMH 83506	81A	AICMIP IHT 1	1985
ICMH 863052	861A	PMIHT-3	1987
ICMH 863052	861A	PMIHT-5	1988
ICMH 863053	862A	PMIHT-3	1987
ICMH 863053	862A	PMIHT-5	1988
ICMH 863054	863A	PMIHT-3	1987
ICMH 863054	863A	PMIHT-5	1988
ICMH 863055	87001	PMIHT-3	1987
ICMH 863055	87001	PMIHT-5	1988
ICMH 863056	87002	PMIHT-3	1987
ICMH 863056	87002	PMIHT-5	1988
ICMH 863058	87003	PMIHT-3	1987
ICMH 863058	87003	PMIHT-5	1988
ICMH 863059	81A	PMIHT-3	1987
ICMH 863059	81A	PMIHT-5	1988
ICMH 863060	852A	PMIHT-3	1987
ICMH 863060	852A	PMIHT-5	1988
ICMH 863061	833A	PMIHT-3	1987
ICMH 863061	833A	PMIHT-5	1988
ICMH 88267	TYB	PMIHT-5	1988
ICMH 88697	TYB1	PMIHT-6	1988
ICMH 88698	TYB2	PMIHT-6	1988
ICMH 88699	TYB3	PMIHT-6	1988
ICMH 88700	TYB4	PMIHT-6	1988
ICMH 88701	863A	PMIHT-6	1988
ICMH 88702	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001443

ICMH 83506	81A	AICMIP AHT 2	1986
ICMH 83506	81A	IPMAT 11	1986
ICMH 83506	81A	PMADT	1986
ICMH 83506	81A	PMAHT-1	1985
ICMH 83506	81A	PMAHT-1	1986

Total # hybrids: 18 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001444

ICMH 87338	87002	PMIHT-2	1987
ICMH 88703	TYB1	PMIHT-6	1988
ICMH 88704	TYB2	PMIHT-6	1988
ICMH 88705	TYB3	PMIHT-6	1988
ICMH 88706	TYB4	PMIHT-6	1988
ICMH 88707	863A	PMIHT-6	1988
ICMH 88708	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001444

ICMH 82205	81A	IPMAT 11	1986
ICMH 82205	81A	PMADT	1987

Total # hybrids: 8 Category IPC: 1 Class IPC: 1.0

Initial hybrids of pollinator collection number: 001445

ICMH 863062	861A	PMIHT-3	1987
ICMH 863062	861A	PMIHT-5	1988
ICMH 863063	862A	PMIHT-3	1987
ICMH 863063	862A	PMIHT-5	1988
ICMH 863064	863A	PMIHT-3	1987
ICMH 863064	863A	PMIHT-5	1988
ICMH 863065	87001	PMIHT-3	1987
ICMH 863065	87001	PMIHT-5	1988
ICMH 863066	87002	PMIHT-3	1987
ICMH 863066	87002	PMIHT-5	1988
ICMH 863067	87003	PMIHT-3	1987
ICMH 863067	87003	PMIHT-5	1988
ICMH 863069	81A	PMIHT-3	1987
ICMH 863069	81A	PMIHT-5	1988
ICMH 863070	852A	PMIHT-3	1987
ICMH 863070	852A	PMIHT-5	1988
ICMH 863071	833A	PMIHT-3	1987
ICMH 863071	833A	PMIHT-5	1988
ICMH 88268	TYB	PMIHT-5	1988
ICMH 88709	TYB1	PMIHT-6	1988
ICMH 88710	TYB2	PMIHT-6	1988
ICMH 88711	TYB3	PMIHT-6	1988
ICMH 88712	TYB4	PMIHT-6	1988
ICMH 88713	863A	PMIHT-6	1988

ICMH 88714 81A PMIHT-6 1988
 Total # hybrids: 17 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001446

ICMH 863141	861A	PMIHT-3	1987
ICMH 863141	861A	PMIHT-5	1988
ICMH 863142	862A	PMIHT-3	1987
ICMH 863142	862A	PMIHT-5	1988
ICMH 863143	863A	PMIHT-3	1987
ICMH 863143	863A	PMIHT-5	1988
ICMH 863144	87001	PMIHT-3	1987
ICMH 863144	87001	PMIHT-5	1988
ICMH 863145	87002	PMIHT-3	1987
ICMH 863145	87002	PMIHT-5	1988
ICMH 863146	87003	PMIHT-3	1987
ICMH 863146	87003	PMIHT-5	1988
ICMH 863147	81A	PMIHT-3	1987
ICMH 863147	81A	PMIHT-5	1988
ICMH 863149	852A	PMIHT-3	1987
ICMH 863149	852A	PMIHT-5	1988
ICMH 863150	833A	PMIHT-3	1987
ICMH 863150	833A	PMIHT-5	1988
ICMH 88259	TYB	PMIHT-5	1988

*Advanced hybrids of pollinator collection number: 001446

ICMH 863145 87002 PMAHT 1988
 Total # hybrids: 11 Category IPC: 2 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001447

ICMH 88715	TYB1	PMIHT-6	1988
ICMH 88716	TYB2	PMIHT-6	1988
ICMH 88717	TYB3	PMIHT-6	1988
ICMH 88718	TYB4	PMIHT-6	1988
ICMH 88719	863A	PMIHT-6	1988
ICMH 88720	81A	PMIHT-6	1988

Total # hybrids: 6 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001450

ICMH 86602 81A ICSC-SS 1987

*Advanced hybrids of pollinator collection number: 001450

ICMH 86602 81A PMAHT-2 1986

Total # hybrids: 4 Category IPC: 2 Class IPC: 7,2

Initial hybrids of pollinator collection number: 001451

ICMH 861009 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001452

ICMH 861010 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001453

ICMH 861015 843A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001454

ICMH 861017 833A PMIHT-1 1986

ICMH 861027 81A PMIHT-1 1986

Total # hybrids: 2 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001455

ICMH 861021 833A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001456

ICMH 861024 81A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001457

ICMH 861025 834A PMIHT-1 1986

Total # hybrids: 1 Category IPC: 3 Class IPC: 10.0

Initial hybrids of pollinator collection number: 001458
 ICMH 861036 834A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001460
 ICMH 861050 843A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001461
 ICMH 861053 833A PMIHT-1 1986
 Total # hybrids: 4 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001462
 ICMH 861061 833A PMIHT-1 1986
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001463
 ICMH 861105 843A PMIHT-1 1986
 ICMH 88125 862A PMIHT-3 1988
 Total # hybrids: 2 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001464
 ICMH 861001 852A PMIHT-1 1986

*Advanced hybrids of pollinator collection number: 001464
 ICMH 861001 852A PMAHT-1 1986
 ICMH 862148 862A PMAHT 1987
 ICMH 862148 862A PMLAT 1988
 Total # hybrids: 2 Category IPC: 2 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001467
 ICMH 88721 TYB1 PMIHT-6 1988
 ICMH 88722 TYB2 PMIHT-6 1988
 ICMH 88723 TYB3 PMIHT-6 1988

ICMH 88724	TYB4	PMIHT-6	1988
ICMH 88725	863A	PMIHT-6	1988
ICMH 88726	81A	PMIHT-6	1988
Total # hybrids: 6 Category IPC: 3 Class IPC: 9.2			

Initial hybrids of pollinator collection number: 001469

ICMH 88727	TYB1	PMIHT-6	1988
ICMH 88728	TYB2	PMIHT-6	1988
ICMH 88729	TYB3	PMIHT-6	1988
ICMH 88730	TYB4	PMIHT-6	1988
ICMH 88731	863A	PMIHT-6	1988
ICMH 88732	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001469

ICMH 87002	863A	IPMAT 12	1987
Total # hybrids: 7 Category IPC: 1 Class IPC: 13.0			

Initial hybrids of pollinator collection number: 001470

ICMH 87003	863A	AICPMIP	1988
ICMH 87003	863A	PMIHT-4	1988
ICMH 88733	TYB1	PMIHT-6	1988
ICMH 88734	TYB2	PMIHT-6	1988
ICMH 88735	TYB3	PMIHT-6	1988
ICMH 88736	TYB4	PMIHT-6	1988
ICMH 88737	863A	PMIHT-6	1988
ICMH 88738	81A	PMIHT-6	1988

*Advanced hybrids of pollinator collection number: 001470

ICMH 87003	863A	AICPMIP	1988
ICMH 87003	863A	IPMAT 12	1987
ICMH 87003	863A	PMAHT	1988
Total # hybrids: 8 Category IPC: 1 Class IPC: 1.0			

*Advanced hybrids of pollinator collection number: 001471

ICMH 86230	861A	IPMAT 12	1987
ICMH 86230	861A	PMLAT	1988
Total # hybrids: 1 Category IPC: 1 Class IPC: 1.0			

*Advanced hybrids of pollinator collection number: 001474
 ICMH 87009 87002 PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

*Advanced hybrids of pollinator collection number: 001479
 ICMH 87023 852A PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 8.3

*Advanced hybrids of pollinator collection number: 001481
 ICMH 87025 852A PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

*Advanced hybrids of pollinator collection number: 001482
 ICMH 87026 863A PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 8.3

*Advanced hybrids of pollinator collection number: 001483
 ICMH 87027 87001 PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 6.2

*Advanced hybrids of pollinator collection number: 001484
 ICMH 87028 863A PMAHT 1987
 ICMV 88911 - PMDAT 1988
 Total # hybrids: 2 Category IPC: 2 Class IPC: 7.2

*Advanced hybrids of pollinator collection number: 001485
 ICMH 87029 863A IPMAT 1988
 ICMH 87029 863A PMAHT 1987
 Total # hybrids: 2 Category IPC: 1 Class IPC: 7.2

*Advanced hybrids of pollinator collection number: 001486
 ICMH 87030 863A IPMAT 1988
 ICMH 87030 863A PMAHT 1987
 Total # hybrids: 2 Category IPC: 1 Class IPC: 7.2

*Advanced hybrids of pollinator collection number: 001488
 ICMH 87032 863A PMAHT 1987
 Total # hybrids: 1 Category IPC: 2 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001490
 ICMH 87043 861A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001493
 ICMH 87046 861A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001495
 ICMH 87051 862A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001496
 ICMH 87052 862A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001500
 ICMH 87056 862A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001501
 ICMH 87057 862A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001503
 ICMH 87068 87001 PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 001503
 ICMH 87068 87001 PMLAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001505
 ICMH 87073 863A PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 001505
 ICMH 87073 863A PMAHT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001506
 ICMH 87074 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001507
 ICMH 87075 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001509
 ICMH 87077 87002 PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001510
 ICMH 87079 852A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001511
 ICMH 87080 852A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001512
 ICMH 87081 852A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001513
 ICMH 87082 852A PMIHT-1 1987

Total # hybrids: 1 Category IPC: 3 Class IPC: 9.4

Initial hybrids of pollinator collection number: 001518
ICMH 87089 863A PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001520
ICMH 87091 862A PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001522
ICMH 87093 862A PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001523
ICMH 87094 87002 PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001524
ICMH 87095 87002 PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001525
ICMH 87096 87002 PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001526
ICMH 87097 87002 PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001527
ICMH 87098 863A PMIHT-1 1987
Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001528
 ICMH 87099 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001529
 ICMH 87100 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001530
 ICMH 87101 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001531
 ICMH 87102 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 3.2

Initial hybrids of pollinator collection number: 001533
 ICMH 87104 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001534
 ICMH 87105 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001536
 ICMH 87107 863A PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.2

Initial hybrids of pollinator collection number: 001538
 ICMH 87109 87003 PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001539
 ICMH 87110 87003 PMIHT-1 1987

Total # hybrids: 1 Category IPC: 3 Class IPC: 6.2

Initial hybrids of pollinator collection number: 001540
 ICMH 87111 87003 PMIHT-1 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 9.3

Initial hybrids of pollinator collection number: 001541
 ICMH 87113 863A PMIHT-1 1987
 ICMH 87908 862A PMIHT-1 1988
 ICMH 87908 862A PMIHT-3 1988
 ICMH 87908 862A PMIHT-5 1987
 Total # hybrids: 2 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001542
 ICMH 87115 87003 PMIHT-1 1987

*Advanced hybrids of pollinator collection number: 001542
 ICMH 87115 87003 PMEAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 13.0

Initial hybrids of pollinator collection number: 001543
 ICMH 87901 87001 PMIHT-1 1988
 ICMH 87901 87001 PMIHT-5 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.2

Initial hybrids of pollinator collection number: 001544
 ICMH 87902 87001 PMIHT-3 1988
 ICMH 87902 87001 PMIHT-5 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001545
 ICMH 87903 87001 PMIHT-1 1988
 ICMH 87903 87001 PMIHT-5 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001546
 ICMH 87904 861A PMIHT-5 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 8.3

Initial hybrids of pollinator collection number: 001547
 ICMH 87909 843A PMIHT-5 1987
 Total # hybrids: 1 Category IPC: 3 Class IPC: 7.4

*Advanced hybrids of pollinator collection number: 001549
 ICMH 87918 81A PMADVHT 1987
 ICMH 87918 81A PMLAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 7.4

Initial hybrids of pollinator collection number: 001550
 ICMH 87912 862A PMIHT-3 1988

*Advanced hybrids of pollinator collection number: 001550
 ICMH 87912 862A PMADVHT 1987
 ICMH 87912 862A PMLAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 7.3

Initial hybrids of pollinator collection number: 001551
 ICMH 87913 862A PMIHT-1 1988
 ICMH 87913 862A PMIHT-3 1988

*Advanced hybrids of pollinator collection number: 001551
 ICMH 87913 862A IPMAT 1988
 ICMH 87913 862A PMADVHT 1987
 Total # hybrids: 2 Category IPC: 1 Class IPC: 8.3

*Advanced hybrids of pollinator collection number: 001554
 ICMH 87955 863A HAUEHT 1987
 ICMH 87955 863A PHEAT 1988
 Total # hybrids: 1 Category IPC: 2 Class IPC: 9.3

Total number of pollinators listed is:

Total number of pollinators with advanced hybrids is: