



**Iris winogradowii**

Year	As Pod Parent			As Pollen Parent		
	Tried	Successful	Seeds	Tried	Successful	Seeds
1990	2	0	-	14	3[21%]	gave 23
1992	5	1[20%]	gave 12 <sup>1</sup>	36	20[56%]	gave 308
1997	3	0	-	38	4[11%]	gave 14 <sup>2</sup>
1998	11	3[27%]	gave 4	98	54[55%]	gave 646
1999	2	0	-	6	1[17%]	gave 7
2002	3	0	-	0	-	-
2003	1	0	-	20	9[45%]	gave 133

**Armenian Caucasus Alba**

Year	As Pod Parent			As Pollen Parent		
	Tried	Successful	Seeds	Tried	Successful	Seeds
1994	1	1	gave 15	16	8[50%]	gave 61
1995	1	0	-	10	6[60%]	gave 47
1998	1	1	gave 16	13	6[46%]	gave 94
1999	1	1	gave 15	28	19[68%]	gave 452
2003	1	1	gave 5	17	12[71%]	gave 204
2004	1	1	gave 8	10	4[40%]	gave 62

**Iran Ameona**

Year	As Pod Parent			As Pollen Parent		
	Tried	Successful	Seeds	Tried	Successful	Seeds
2000	2	0	-	26	10[38%]	gave 98
2001	1	0	-	9	2[22%]	gave 18

**Diploid danfordiae**

Year	As Pod Parent			As Pollen Parent		
	Tried	Successful	Seeds	Tried	Successful	Seeds
1986	1	0	-	9	2[22%]	gave 8
1987	1	0	-	18	4[22%]	gave 89
1988	4	1[25%]	gave 19	57	21[37%]	gave 341
1989	4	2[50%]	gave 17	34	14[41%]	gave 272
1990	1	1	gave 9	10	6[60%]	gave 101
1991	23	19[83%]	gave 318	63	30[48%]	gave 474
1992	49	33[67%]	gave 459	75	38[51%]	gave 672
1993	22	2 [9%]	gave 5	31	15[48%]	gave 270
1994	32	16[50%]	gave 218	34	15[44%]	gave 307
1995	16	12[75%]	gave 117	30	21[70%]	gave 340
1996	23	7[30%]	gave 89	45	27[60%]	gave 468
1997	10	7[70%]	gave 96	43	23[53%]	gave 485
1998	25	14[56%]	gave 352	109	75[69%]	gave 1310
1999	8	5[63%]	gave 72	38	20[53%]	gave 322
2000	18	15[83%]	gave 201	35	16[46%]	gave 211
2001	11	8[73%]	gave 147	38	22[59%]	gave 366
2002	11	5[45%]	gave 73	36	7[19%]	gave 62
2003	7	4[57%]	gave 64	-	-	-
2004	7	1[14%]	gave 10	-	-	-
2005	-	-	-	-	-	-

<sup>1</sup> Seeds were soft and may not have been good.<sup>2</sup> Cross onto *histrioides* gave 11 of these, plus one each were from two crosses onto diploid *danfordiae*.

Note: no double counting has been done in the sxd F1, F2, F3, and miscellaneous cross tables on the next 3 pages. All of the tables taken together apply to each year's data as a whole.

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>1</sub> Crosses**

Year	Blooms <sup>5</sup>	Used s x d Pollen			s x d Pod Parents <sup>3</sup>			F <sub>2</sub> = F <sub>1</sub> x F <sub>1</sub> <sup>4</sup>			danfordiae x (s x d)			(s x d) x danfordiae		
		Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
1994	16	3	2[66%]	gave 27	2	1[50%]	gave 1	14	10[71%]	gave 130	-	-	-	-	-	-
1995	36	66	31[47%]	gave 266	13	7[54%]	gave 53	19	17[89%]	gave 232	4	2[50%]	gave 14	2	2[100]	gave 55
1996	88	62	38[61%]	gave 557	66	35[53%]	gave 222	16	6[38%]	gave 76	4	1[25%]	gave 31	9	4[44%]	gave 77
1997	126	37	21[57%]	gave 247	45	8[18%]	gave 58	71	33[46%]	gave 689	4	2[50%]	gave 52	19	12[63%]	gave 301
1998	262	27	13[48%]	gave 173	49	32[65%]	gave 282	63	57[90%]	gave 965	4	2[50%]	gave 31	31	24[77%]	gave 495
1999	340	46	28[61%]	gave 492	78	34[44%]	gave 199	182	129[71%]	gave 1465	1	1[100]	gave 11	13	9[69%]	gave 121
2000	306	161	67[42%]	gave 715	43	10[23%]	gave 52	98	33[34%]	gave 256	8	6[75%]	gave 52	31	14[45%]	gave 177
2001	>1000	51	29[57%]	gave 299	221	91[41%]	gave 1232	242	144[60%]	gave 2145	1	0	-	37	22[59%]	gave 366
2002	>1000	7	3[43%]	gave 14	16	7[44%]	gave 130	89	30[34%]	gave 444	-	-	-	36	7[19%]	gave 62
2003	>1000	4	0	-	4	0	-	17	13[76%]	gave 110	-	-	-	-	-	-
2004	>1000	-	-	-	7	3[43%]	gave 49	27	26[96%]	gave 296	-	-	-	-	-	-
2005	>1000	-	-	-	7	1[14%]	gave 3	7	4[57%]	gave 12	-	-	-	-	-	-
2006	>1000	-	-	-	13	1 [8%]	gave 9	4	3[75%]	gave 22	-	-	-	-	-	-
2007	>100	-	-	-	8	2[25%]	gave 15	-	-	-	-	-	-	-	-	-

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>1</sub> Crosses cont.**

Year	F <sub>1</sub> x F <sub>2</sub>			F <sub>1</sub> x Compound <sup>6</sup>			F <sub>1</sub> x Çat			F <sub>1</sub> x sophenensis		
	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
1997	-	-	-	3	1[33%]	gave 24	-	-	-	-	-	-
1998	-	-	-	15	9[60%]	gave 188	-	-	-	-	-	-
1999	26	20[77%]	gave 332	35	25[71%]	gave 290	1	1[100]	gave 9	-	-	-
2000	82	40[49%]	gave 510	22	9[41%]	gave 65	-	-	-	-	-	-
2001	229	110[48%]	gave 1818	38	16[42%]	gave 283	32	15[47%]	gave 203	-	-	-
2002	601	169[28%]	gave 2173	57	20[35%]	gave 268	10	6[60%]	gave 82	12	5[42%]	gave 70
2003	324	65[20%]	gave 624	195	57[29%]	gave 589	24	2 [8%]	gave 18	5	1[20%]	gave 16
2004	15	6[40%]	gave 101	74	17[23%]	gave 226	-	-	-	-	-	-
2005	107	20[20%]	gave 134	44	15[34%]	gave 180	-	-	-	-	-	-
2006	110	28[25%]	gave 362	30	8[27%]	gave 136	-	-	-	-	-	-
2007	111	23[21%]	gave 220	23	5[22%]	gave 42	-	-	-	-	-	-

<sup>3</sup> *Sophenensis x danfordiae* pod parent with pollen from other Retics.

<sup>4</sup> *Sophenensis x danfordiae* clones intercrossed (should bring out a wider range of expressions in the F<sub>2</sub> generation).

<sup>5</sup> Not counting those of bulbs given out for testing: ?# 1997; 20 in 1998

<sup>6</sup> Compound = multi generation within danfordiae, sophenensis, and Çat

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>2</sub> Crosses**

Year	Blooms <sup>8</sup>	Used F <sub>2</sub> Pollen			F <sub>2</sub> Pod Parents <sup>7</sup>			F <sub>3</sub> = F <sub>2</sub> x F <sub>2</sub>			danfordiae x F <sub>2</sub>			F <sub>2</sub> x danfordiae		
		Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
1999	2	1	1[100]	gave 8	-	-	-	2	0	-	4	3[67%]	gave 59	-	-	-
2000	8	8	3[38%]	gave 16	-	-	-	8	6[75%]	gave 98	8	7[87%]	gave 131	-	-	-
2001	27	12	8[67%]	gave 126	-	-	-	22	16[73%]	gave 267	8	6[75%]	gave 116	-	-	-
2002	67	5	0	-	-	-	-	58	20[34%]	gave 275	7	4[57%]	gave 57	-	-	-
2003	148	30	4[13%]	gave 171	3	2[67%]	gave 19	62	30[48%]	gave 383	2	2[100]	gave 38	-	-	-
2004	296	14	4[29%]	gave 32	-	-	-	84	35[42%]	gave 769	-	-	-	-	-	-
2005	262	16	6[38%]	gave 119	9	5[56%]	gave 90	134	85[63%]	gave 1732	-	-	-	-	-	-
2006	241	29	9[31%]	gave 169	8	2[25%]	gave 23	158	74[47%]	gave 1371	-	-	-	-	-	-
2007	269	18	1 [6%]	gave 15	11	2[18%]	gave 24	139	26[19%]	gave 307	-	-	-	-	-	-

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>2</sub> Crosses cont.**

Year	F <sub>2</sub> x F <sub>1</sub>			Compound x F <sub>2</sub>			F <sub>2</sub> x Compound			Cat x F <sub>2</sub>			sophenensis x F <sub>2</sub>		
	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
1999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2000	-	-	-	2	2[100]	gave 26	-	-	-	-	-	-	-	-	-
2001	1	0	-	3	3[100]	gave 69	-	-	-	2	1[50%]	gave 42	-	-	-
2002	-	-	-	1	0	-	10	1[13%]	gave 15	4	1[25%]	gave 17	3	1[33%]	gave 5
2003	1	1 [100]	gave 4	14	10[71%]	gave 237	51	27[53%]	gave 353	1	1[100]	gave 5	8	0	-
2004	8	6[75%]	gave 58	18	5[28%]	gave 135	107	39[36%]	gave 747	-	-	-	-	-	-
2005	3	3 [100]	gave 14	22	9[41%]	gave 189	77	40[52%]	gave 847	-	-	-	2	1 [50%]	- 27
2006	11	10[91%]	gave 153	16	12[75%]	gave 270	29	16[55%]	gave 315	1	1[100]	gave 13	1	0	-
2007	4	3[75%]	gave 65	20	8[40%]	gave 115	70	13[19%]	gave 204	-	-	-	1	0	-

**Iris x mcmurtriei (sophenensis x danfordiae) – Miscellaneous Crosses**

Year	danfordiae x Compound			Compound x Compound			Cat x Compound			sophenensis x Compound			Cat x sophenensis		
	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
2002	4	1[25%]	gave 16	3	1[33%]	gave 19	-	-	-	-	-	-	2	0	-
2003	5	2[40%]	gave 26	9	8[89%]	gave 88	-	-	-	9	5[56%]	gave 98	-	-	-
2004	7	1[14%]	gave 10	36	19[53%]	gave 459	3	2[67%]	gave 18	5	1[20%]	gave 18	-	-	-
2005	-	-	-	17	10[59%]	gave 127	-	-	-	-	-	-	-	-	-
2006	-	-	-	4	1[25%]	gave 44	-	-	-	1	0	-	-	-	-
2007	1	0	-	4	2[50%]	gave 15	-	-	-	1	0	-	-	-	-

<sup>7</sup> *Sophenensis x danfordiae* F<sub>2</sub> pod parent with pollen from other Retics.

<sup>8</sup> F<sub>2</sub> and Compound blooms

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>3</sub> Crosses**

Year	Blooms	Used F <sub>3</sub> Pollen			F <sub>3</sub> Pod Parents <sup>9</sup>			F <sub>4</sub> = F <sub>3</sub> x F <sub>3</sub>			F <sub>3</sub> x F <sub>2</sub>			F <sub>2</sub> x F <sub>3</sub>		
		Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds
2006	4	1	0	-	-	-	-	-	-	-	3	1[33%]	gave 10	10	5[50%]	gave 46
2007	10	-	-	-	-	-	-	-	-	-	3	0	-	14	1 [7%]	gave 10

**Iris x mcmurtriei (sophenensis x danfordiae) – F<sub>3</sub> Crosses cont.**

Year	F <sub>3</sub> x F <sub>1</sub>			F <sub>1</sub> x F <sub>3</sub>			F <sub>3</sub> x Compound			Compound x F <sub>3</sub>			Tried	Successful	Seeds
	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds	Tried	Successful	Seeds			
2006	1	1[100]	gave 7	4	1[25%]	gave 20	-	-	-	1	1[100]	gave 6	-	-	-
2007	-	-	-	4	1[25%]	gave 8	1	0	-	4	2[50%]	gave 31	-	-	-

<sup>9</sup> *Sophenensis x danfordiae* F2 pod parent with pollen from other Retics.