APPENDIX IV – ARTIFICIAL AGEING EXPERIMENTS FROM CHAPTER FOUR

GERMINATION DATA WITHOUT HORMONES

Germination data for Aethionema arabicum diaspore types IND (I), M- (M) and M+ (P) following artificial ageing for all treatments plus control treatments.

Count Time (hrs)	Ageing Time	Diaspore Type	Humidity (%)	Initial Diaspore Count			Number Germinated			Percentage Germinated			Average Percentage	Standard Deviation
				Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3		
0	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
0	C	M	N/A	30	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	M	50	29	31	60	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	M	60	30	58	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	M	70	30	33	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	M	80	31	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0

0	7	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	60	32	26	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
0	C	P	N/A	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	P	50	33	27	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	P	60	30	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	P	70	31	30	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	P	60	31	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0

22	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
22	C	M	N/A	30	32	29	0	0	1	0.0	0.0	3.4	1.1	2.0
22	2	M	50	29	31	60	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	M	60	30	58	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	M	70	30	33	29	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	M	80	31	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	M	60	32	26	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	M	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
22	C	P	N/A	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	P	50	33	27	31	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	P	60	30	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	P	70	31	30	29	0	0	0	0.0	0.0	0.0	0.0	0.0
22	2	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	P	60	31	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	P	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
22	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

24	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
24	C	M	N/A	30	32	29	0	0	1	0.0	0.0	3.4	1.1	2.0
24	2	M	50	29	31	60	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	M	60	30	58	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	M	70	30	33	29	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	M	80	31	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	M	60	32	26	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	M	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
24	C	P	N/A	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	P	50	33	27	31	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	P	60	30	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	P	70	31	30	29	0	0	0	0.0	0.0	0.0	0.0	0.0
24	2	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

24	7	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	P	60	31	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	P	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
24	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
28	C	M	N/A	30	32	29	2	1	1	6.7	3.1	3.4	4.4	2.0
28	2	M	50	29	31	60	0	0	1	0.0	0.0	1.7	0.6	1.0
28	2	M	60	30	58	30	1	1	0	3.3	1.7	0.0	1.7	1.7
28	2	M	70	30	33	29	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	M	80	31	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	M	60	32	26	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	M	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

28	29	M	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
28	C	P	N/A	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	P	50	33	27	31	2	3	2	6.1	11.1	6.5	7.9	2.8
28	2	P	60	30	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	P	70	31	30	29	0	0	0	0.0	0.0	0.0	0.0	0.0
28	2	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	P	50	30	30	30	0	0	1	0.0	0.0	3.3	1.1	1.9
28	7	P	60	31	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	P	50	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	P	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
28	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
44	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
44	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
44	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
44	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
44	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
44	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
44	C	M	N/A	30	32	29	5	4	4	16.7	12.5	13.8	14.3	2.1
44	2	M	50	29	31	60	11	9	12	37.9	29.0	20.0	29.0	9.0

44	2	M	60	30	58	30	10	19	6	33.3	32.8	20.0	28.7	7.5
44	2	M	70	30	33	29	8	9	6	26.7	27.3	20.7	24.9	3.6
44	2	M	80	31	30	33	2	1	4	6.5	3.3	12.1	7.3	4.5
44	7	M	50	30	30	30	6	7	8	20.0	23.3	26.7	23.3	3.3
44	7	M	60	32	26	30	2	3	7	6.3	11.5	23.3	13.7	8.7
44	7	M	70	30	30	30	1	1	2	3.3	3.3	6.7	4.4	1.9
44	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	M	50	30	30	30	6	5	3	20.0	16.7	10.0	15.6	5.1
44	29	M	60	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
44	C	P	N/A	30	30	30	4	3	6	13.3	10.0	20.0	14.4	5.1
44	2	P	50	33	27	31	15	16	19	45.5	59.3	61.3	55.3	8.6
44	2	P	60	30	29	30	14	18	12	46.7	62.1	40.0	49.6	11.3
44	2	P	70	31	30	29	13	16	14	41.9	53.3	48.3	47.8	5.7
44	2	P	80	30	30	30	11	11	8	36.7	36.7	26.7	33.3	5.8
44	7	P	50	30	30	30	15	19	15	50.0	63.3	50.0	54.4	7.7
44	7	P	60	31	31	29	12	9	12	38.7	29.0	41.4	36.4	6.5
44	7	P	70	30	30	30	5	7	6	16.7	23.3	20.0	20.0	3.3
44	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	P	50	30	30	30	5	5	3	16.7	16.7	10.0	14.4	3.8
44	29	P	60	30	30	30	8	5	5	26.7	16.7	16.7	20.0	5.8
44	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
44	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0

48	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
48	C	M	N/A	30	32	29	5	5	5	16.7	15.6	17.2	16.5	0.8
48	2	M	50	29	31	60	14	12	17	48.3	38.7	28.3	38.4	10.0
48	2	M	60	30	58	30	12	22	10	40.0	37.9	33.3	37.1	3.4
48	2	M	70	30	33	29	10	16	8	33.3	48.5	27.6	36.5	10.8
48	2	M	80	31	30	33	3	4	4	9.7	13.3	12.1	11.7	1.9
48	7	M	50	30	30	30	11	11	13	36.7	36.7	43.3	38.9	3.8
48	7	M	60	32	26	30	4	6	7	12.5	23.1	23.3	19.6	6.2
48	7	M	70	30	30	30	4	4	3	13.3	13.3	10.0	12.2	1.9
48	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	M	50	30	30	30	14	12	7	46.7	40.0	23.3	36.7	12.0
48	29	M	60	30	30	30	1	0	1	3.3	0.0	3.3	2.2	1.9
48	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
48	C	P	N/A	30	30	30	5	4	6	16.7	13.3	20.0	16.7	3.3
48	2	P	50	33	27	31	19	17	22	57.6	63.0	71.0	63.8	6.7
48	2	P	60	30	29	30	18	22	21	60.0	75.9	70.0	68.6	8.0
48	2	P	70	31	30	29	19	20	18	61.3	66.7	62.1	63.3	2.9
48	2	P	80	30	30	30	15	19	16	50.0	63.3	53.3	55.6	6.9
48	7	P	50	30	30	30	25	27	24	83.3	90.0	80.0	84.4	5.1
48	7	P	60	31	31	29	24	21	25	77.4	67.7	86.2	77.1	9.2
48	7	P	70	30	30	30	13	10	12	43.3	33.3	40.0	38.9	5.1
48	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	P	50	30	30	30	16	16	19	53.3	53.3	63.3	56.7	5.8
48	29	P	60	30	30	30	16	12	16	53.3	40.0	53.3	48.9	7.7
48	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

48	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
52	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
52	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
52	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
52	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
52	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
52	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
52	C	M	N/A	30	32	29	9	5	5	30.0	15.6	17.2	21.0	7.9
52	2	M	50	29	31	60	17	12	18	58.6	38.7	30.0	42.4	14.7
52	2	M	60	30	58	30	15	28	15	50.0	48.3	50.0	49.4	1.0
52	2	M	70	30	33	29	11	17	10	36.7	51.5	34.5	40.9	9.3
52	2	M	80	31	30	33	3	4	4	9.7	13.3	12.1	11.7	1.9
52	7	M	50	30	30	30	12	15	17	40.0	50.0	56.7	48.9	8.4
52	7	M	60	32	26	30	5	7	9	15.6	26.9	30.0	24.2	7.6
52	7	M	70	30	30	30	9	6	3	30.0	20.0	10.0	20.0	10.0
52	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	M	50	30	30	30	25	16	19	83.3	53.3	63.3	66.7	15.3
52	29	M	60	30	30	30	2	1	1	6.7	3.3	3.3	4.4	1.9
52	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
52	C	P	N/A	30	30	30	7	6	7	23.3	20.0	23.3	22.2	1.9
52	2	P	50	33	27	31	22	20	21	66.7	74.1	67.7	69.5	4.0
52	2	P	60	30	29	30	20	22	28	66.7	75.9	93.3	78.6	13.5
52	2	P	70	31	30	29	20	20	19	64.5	66.7	65.5	65.6	1.1

52	2	P	80	30	30	30	17	16	15	56.7	53.3	50.0	53.3	3.3
52	7	P	50	30	30	30	28	29	27	93.3	96.7	90.0	93.3	3.3
52	7	P	60	31	31	29	26	24	24	83.9	77.4	82.8	81.3	3.4
52	7	P	70	30	30	30	14	16	13	46.7	53.3	43.3	47.8	5.1
52	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	P	50	30	30	30	18	18	26	60.0	60.0	86.7	68.9	15.4
52	29	P	60	30	30	30	16	12	16	53.3	40.0	53.3	48.9	7.7
52	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
52	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	C	I	N/A	32	34	29	0	0	0	0.0	0.0	0.0	0.0	0.0
69	2	I	50	30	28	31	0	0	0	0.0	0.0	0.0	0.0	0.0
69	2	I	60	29	29	32	0	0	0	0.0	0.0	0.0	0.0	0.0
69	2	I	70	32	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
69	7	I	50	28	32	29	0	0	0	0.0	0.0	0.0	0.0	0.0
69	7	I	60	34	33	32	0	0	0	0.0	0.0	0.0	0.0	0.0
69	7	I	70	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	I	50	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	I	60	37	53	42	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
69	C	M	N/A	30	32	29	15	13	9	50.0	40.6	31.0	40.6	9.5
69	2	M	50	29	31	60	22	18	39	75.9	58.1	65.0	66.3	9.0
69	2	M	60	30	58	30	19	37	17	63.3	63.8	56.7	61.3	4.0
69	2	M	70	30	33	29	15	22	13	50.0	66.7	44.8	53.8	11.4
69	2	M	80	31	30	33	5	6	5	16.1	20.0	15.2	17.1	2.6
69	7	M	50	30	30	30	16	21	22	53.3	70.0	73.3	65.6	10.7
69	7	M	60	32	26	30	11	14	12	34.4	53.8	40.0	42.7	10.0
69	7	M	70	30	30	30	13	10	5	43.3	33.3	16.7	31.1	13.5
69	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

69	29	M	50	30	30	30	25	19	13	83.3	63.3	43.3	63.3	20.0
69	29	M	60	30	30	30	5	4	4	16.7	13.3	13.3	14.4	1.9
69	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
69	C	P	N/A	30	30	30	14	7	14	46.7	23.3	46.7	38.9	13.5
69	2	P	50	33	27	31	25	22	27	75.8	81.5	87.1	81.4	5.7
69	2	P	60	30	29	30	24	21	26	80.0	72.4	86.7	79.7	7.1
69	2	P	70	31	30	29	24	24	22	77.4	80.0	75.9	77.8	2.1
69	2	P	80	30	30	30	21	19	21	70.0	63.3	70.0	67.8	3.8
69	7	P	50	30	30	30	28	29	27	93.3	96.7	90.0	93.3	3.3
69	7	P	60	31	31	29	26	25	24	83.9	80.6	82.8	82.4	1.6
69	7	P	70	30	30	30	17	21	16	56.7	70.0	53.3	60.0	8.8
69	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	P	50	30	30	30	19	20	25	63.3	66.7	83.3	71.1	10.7
69	29	P	60	30	30	30	19	12	19	63.3	40.0	63.3	55.6	13.5
69	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
69	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
93	C	I	N/A	32	34	29	0	1	2	0.0	2.9	6.9	3.3	3.5
93	2	I	50	30	28	31	2	2	2	6.7	7.1	6.5	6.8	0.4
93	2	I	60	29	29	32	1	2	1	3.4	6.9	3.1	4.5	2.1
93	2	I	70	32	34	30	1	1	0	3.1	2.9	0.0	2.0	1.8
93	2	I	80	37	51	75	0	0	0	0.0	0.0	0.0	0.0	0.0
93	7	I	50	28	32	29	3	1	1	10.7	3.1	3.4	5.8	4.3
93	7	I	60	34	33	32	1	1	0	2.9	3.0	0.0	2.0	1.7
93	7	I	70	29	30	30	3	1	1	10.3	3.3	3.3	5.7	4.0
93	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	I	50	29	30	30	3	2	2	10.3	6.7	6.7	7.9	2.1
93	29	I	60	37	53	42	0	2	2	0.0	3.8	4.8	2.8	2.5
93	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
93	C	M	N/A	30	32	29	17	17	16	56.7	53.1	55.2	55.0	1.8

93	2	M	50	29	31	60	24	21	42	82.8	67.7	70.0	73.5	8.1
93	2	M	60	30	58	30	23	40	22	76.7	69.0	73.3	73.0	3.9
93	2	M	70	30	33	29	18	27	20	60.0	81.8	69.0	70.3	11.0
93	2	M	80	31	30	33	7	10	11	22.6	33.3	33.3	29.7	6.2
93	7	M	50	30	30	30	18	23	23	60.0	76.7	76.7	71.1	9.6
93	7	M	60	32	26	30	12	14	15	37.5	53.8	50.0	47.1	8.5
93	7	M	70	30	30	30	14	10	6	46.7	33.3	20.0	33.3	13.3
93	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	M	50	30	30	30	25	25	28	83.3	83.3	93.3	86.7	5.8
93	29	M	60	30	30	30	4	8	7	13.3	26.7	23.3	21.1	6.9
93	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
93	C	P	N/A	30	30	30	18	13	16	60.0	43.3	53.3	52.2	8.4
93	2	P	50	33	27	31	31	27	30	93.9	100.0	96.8	96.9	3.0
93	2	P	60	30	29	30	26	27	28	86.7	93.1	93.3	91.0	3.8
93	2	P	70	31	30	29	28	27	26	90.3	90.0	89.7	90.0	0.3
93	2	P	80	30	30	30	25	20	28	83.3	66.7	93.3	81.1	13.5
93	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
93	7	P	60	31	31	29	29	29	29	93.5	93.5	100.0	95.7	3.7
93	7	P	70	30	30	30	24	25	22	80.0	83.3	73.3	78.9	5.1
93	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	P	50	30	30	30	27	29	30	90.0	96.7	100.0	95.6	5.1
93	29	P	60	30	30	30	25	22	26	83.3	73.3	86.7	81.1	6.9
93	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
93	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
117	C	I	N/A	32	34	29	1	3	2	3.1	8.8	6.9	6.3	2.9
117	2	I	50	30	28	31	4	2	3	13.3	7.1	9.7	10.1	3.1
117	2	I	60	29	29	32	3	3	2	10.3	10.3	6.3	9.0	2.4
117	2	I	70	32	34	30	3	2	1	9.4	5.9	3.3	6.2	3.0
117	2	I	80	37	51	75	1	4	3	2.7	7.8	4.0	4.8	2.7
117	7	I	50	28	32	29	9	6	3	32.1	18.8	10.3	20.4	11.0

117	7	I	60	34	33	32	3	3	2	8.8	9.1	6.3	8.1	1.6
117	7	I	70	29	30	30	5	2	3	17.2	6.7	10.0	11.3	5.4
117	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	I	50	29	30	30	8	5	6	27.6	16.7	20.0	21.4	5.6
117	29	I	60	37	53	42	3	7	6	8.1	13.2	14.3	11.9	3.3
117	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
117	C	M	N/A	30	32	29	20	19	19	66.7	59.4	65.5	63.9	3.9
117	2	M	50	29	31	60	28	28	56	96.6	90.3	93.3	93.4	3.1
117	2	M	60	30	58	30	29	52	27	96.7	89.7	90.0	92.1	4.0
117	2	M	70	30	33	29	21	28	23	70.0	84.8	79.3	78.1	7.5
117	2	M	80	31	30	33	9	11	14	29.0	36.7	42.4	36.0	6.7
117	7	M	50	30	30	30	27	27	28	90.0	90.0	93.3	91.1	1.9
117	7	M	60	32	26	30	16	16	20	50.0	61.5	66.7	59.4	8.5
117	7	M	70	30	30	30	14	14	11	46.7	46.7	36.7	43.3	5.8
117	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	M	50	30	30	30	25	25	28	83.3	83.3	93.3	86.7	5.8
117	29	M	60	30	30	30	6	8	7	20.0	26.7	23.3	23.3	3.3
117	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
117	C	P	N/A	30	30	30	18	14	18	60.0	46.7	60.0	55.6	7.7
117	2	P	50	33	27	31	32	27	30	97.0	100.0	96.8	97.9	1.8
117	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
117	2	P	70	31	30	29	31	30	28	100.0	100.0	96.6	98.9	2.0
117	2	P	80	30	30	30	28	26	27	93.3	86.7	90.0	90.0	3.3
117	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
117	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
117	7	P	70	30	30	30	25	25	24	83.3	83.3	80.0	82.2	1.9
117	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	P	50	30	30	30	29	30	30	96.7	100.0	100.0	98.9	1.9
117	29	P	60	30	30	30	26	26	26	86.7	86.7	86.7	86.7	0.0

117	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
117	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
141	C	I	N/A	32	34	29	4	3	5	12.5	8.8	17.2	12.9	4.2
141	2	I	50	30	28	31	4	3	7	13.3	10.7	22.6	15.5	6.2
141	2	I	60	29	29	32	5	4	3	17.2	13.8	9.4	13.5	3.9
141	2	I	70	32	34	30	5	7	8	15.6	20.6	26.7	21.0	5.5
141	2	I	80	37	51	75	3	4	4	8.1	7.8	5.3	7.1	1.5
141	7	I	50	28	32	29	13	6	4	46.4	18.8	13.8	26.3	17.6
141	7	I	60	34	33	32	3	4	2	8.8	12.1	6.3	9.1	2.9
141	7	I	70	29	30	30	5	4	4	17.2	13.3	13.3	14.6	2.3
141	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	I	50	29	30	30	13	10	9	44.8	33.3	30.0	36.1	7.8
141	29	I	60	37	53	42	4	8	6	10.8	15.1	14.3	13.4	2.3
141	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
141	C	M	N/A	30	32	29	23	24	25	76.7	75.0	86.2	79.3	6.0
141	2	M	50	29	31	60	28	28	57	96.6	90.3	95.0	94.0	3.2
141	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
141	2	M	70	30	33	29	28	29	24	93.3	87.9	82.8	88.0	5.3
141	2	M	80	31	30	33	9	11	16	29.0	36.7	48.5	38.1	9.8
141	7	M	50	30	30	30	29	28	29	96.7	93.3	96.7	95.6	1.9
141	7	M	60	32	26	30	19	19	23	59.4	73.1	76.7	69.7	9.1
141	7	M	70	30	30	30	14	15	12	46.7	50.0	40.0	45.6	5.1
141	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	M	50	30	30	30	25	25	27	83.3	83.3	90.0	85.6	3.8
141	29	M	60	30	30	30	6	11	7	20.0	36.7	23.3	26.7	8.8
141	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
141	C	P	N/A	30	30	30	23	22	23	76.7	73.3	76.7	75.6	1.9
141	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
141	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0

141	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
141	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
141	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
141	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
141	7	P	70	30	30	30	25	25	24	83.3	83.3	80.0	82.2	1.9
141	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
141	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
141	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
141	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
165	C	I	N/A	32	34	29	4	3	6	12.5	8.8	20.7	14.0	6.1
165	2	I	50	30	28	31	5	6	8	16.7	21.4	25.8	21.3	4.6
165	2	I	60	29	29	32	5	5	4	17.2	17.2	12.5	15.7	2.7
165	2	I	70	32	34	30	7	7	8	21.9	20.6	26.7	23.0	3.2
165	2	I	80	37	51	75	5	5	6	13.5	9.8	8.0	10.4	2.8
165	7	I	50	28	32	29	13	6	5	46.4	18.8	17.2	27.5	16.4
165	7	I	60	34	33	32	4	4	3	11.8	12.1	9.4	11.1	1.5
165	7	I	70	29	30	30	5	4	5	17.2	13.3	16.7	15.7	2.1
165	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	I	50	29	30	30	14	13	13	48.3	43.3	43.3	45.0	2.9
165	29	I	60	37	53	42	5	11	6	13.5	20.8	14.3	16.2	4.0
165	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
165	C	M	N/A	30	32	29	24	28	26	80.0	87.5	89.7	85.7	5.1
165	2	M	50	29	31	60	28	28	57	96.6	90.3	95.0	94.0	3.2
165	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
165	2	M	70	30	33	29	28	29	24	93.3	87.9	82.8	88.0	5.3
165	2	M	80	31	30	33	10	12	16	32.3	40.0	48.5	40.2	8.1
165	7	M	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
165	7	M	60	32	26	30	23	19	23	71.9	73.1	76.7	73.9	2.5
165	7	M	70	30	30	30	15	17	14	50.0	56.7	46.7	51.1	5.1

165	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	M	50	30	30	30	25	25	28	83.3	83.3	93.3	86.7	5.8
165	29	M	60	30	30	30	6	11	7	20.0	36.7	23.3	26.7	8.8
165	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
165	C	P	N/A	30	30	30	24	22	27	80.0	73.3	90.0	81.1	8.4
165	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
165	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
165	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
165	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
165	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
165	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
165	7	P	70	30	30	30	25	25	24	83.3	83.3	80.0	82.2	1.9
165	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
165	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
165	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
165	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
189	C	I	N/A	32	34	29	4	4	7	12.5	11.8	24.1	16.1	6.9
189	2	I	50	30	28	31	6	6	8	20.0	21.4	25.8	22.4	3.0
189	2	I	60	29	29	32	6	5	5	20.7	17.2	15.6	17.9	2.6
189	2	I	70	32	34	30	7	7	8	21.9	20.6	26.7	23.0	3.2
189	2	I	80	37	51	75	5	7	6	13.5	13.7	8.0	11.7	3.2
189	7	I	50	28	32	29	13	10	7	46.4	31.3	24.1	33.9	11.4
189	7	I	60	34	33	32	4	4	4	11.8	12.1	12.5	12.1	0.4
189	7	I	70	29	30	30	5	4	5	17.2	13.3	16.7	15.7	2.1
189	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	I	50	29	30	30	16	13	13	55.2	43.3	43.3	47.3	6.8
189	29	I	60	37	53	42	5	11	8	13.5	20.8	19.0	17.8	3.8
189	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0

189	C	M	N/A	30	32	29	24	28	25	80.0	87.5	86.2	84.6	4.0
189	2	M	50	29	31	60	28	29	57	96.6	93.5	95.0	95.0	1.5
189	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
189	2	M	70	30	33	29	28	30	24	93.3	90.9	82.8	89.0	5.5
189	2	M	80	31	30	33	10	12	16	32.3	40.0	48.5	40.2	8.1
189	7	M	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
189	7	M	60	32	26	30	24	19	24	75.0	73.1	80.0	76.0	3.6
189	7	M	70	30	30	30	15	17	14	50.0	56.7	46.7	51.1	5.1
189	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	M	50	30	30	30	25	25	28	83.3	83.3	93.3	86.7	5.8
189	29	M	60	30	30	30	6	11	7	20.0	36.7	23.3	26.7	8.8
189	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
189	C	P	N/A	30	30	30	27	28	27	90.0	93.3	90.0	91.1	1.9
189	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
189	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
189	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
189	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
189	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
189	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
189	7	P	70	30	30	30	25	25	24	83.3	83.3	80.0	82.2	1.9
189	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
189	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
189	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
189	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
213	C	I	N/A	32	34	29	4	4	7	12.5	11.8	24.1	16.1	6.9
213	2	I	50	30	28	31	6	6	8	20.0	21.4	25.8	22.4	3.0
213	2	I	60	29	29	32	8	5	5	27.6	17.2	15.6	20.2	6.5
213	2	I	70	32	34	30	8	7	8	25.0	20.6	26.7	24.1	3.1
213	2	I	80	37	51	75	5	6	6	13.5	11.8	8.0	11.1	2.8

213	7	I	50	28	32	29	14	7	7	50.0	21.9	24.1	32.0	15.6
213	7	I	60	34	33	32	4	4	4	11.8	12.1	12.5	12.1	0.4
213	7	I	70	29	30	30	6	4	5	20.7	13.3	16.7	16.9	3.7
213	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	I	50	29	30	30	16	14	13	55.2	46.7	43.3	48.4	6.1
213	29	I	60	37	53	42	7	11	9	18.9	20.8	21.4	20.4	1.3
213	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
213	C	M	N/A	30	32	29	24	28	27	80.0	87.5	93.1	86.9	6.6
213	2	M	50	29	31	60	28	29	57	96.6	93.5	95.0	95.0	1.5
213	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
213	2	M	70	30	33	29	28	30	24	93.3	90.9	82.8	89.0	5.5
213	2	M	80	31	30	33	10	12	16	32.3	40.0	48.5	40.2	8.1
213	7	M	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
213	7	M	60	32	26	30	24	20	24	75.0	76.9	80.0	77.3	2.5
213	7	M	70	30	30	30	16	18	14	53.3	60.0	46.7	53.3	6.7
213	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	M	50	30	30	30	25	27	28	83.3	90.0	93.3	88.9	5.1
213	29	M	60	30	30	30	6	11	7	20.0	36.7	23.3	26.7	8.8
213	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
213	C	P	N/A	30	30	30	27	28	27	90.0	93.3	90.0	91.1	1.9
213	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
213	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
213	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
213	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
213	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
213	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
213	7	P	70	30	30	30	29	27	25	96.7	90.0	83.3	90.0	6.7
213	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0

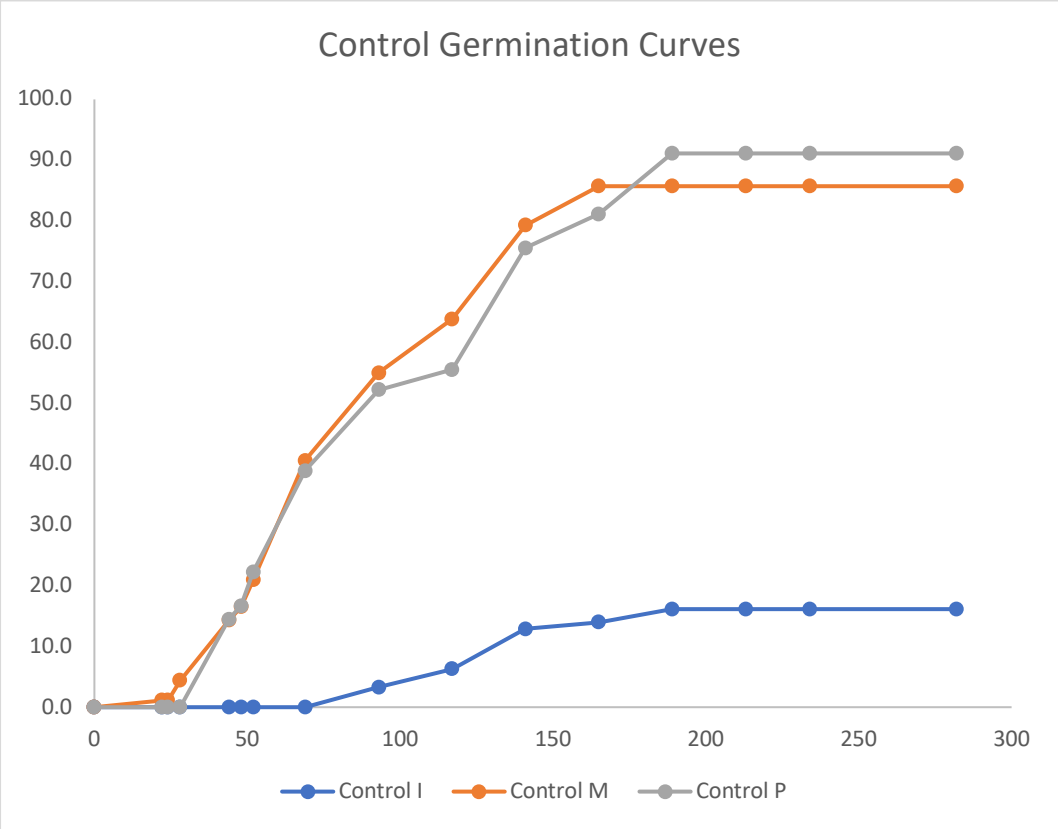
213	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
213	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
213	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	2	I	50	30	28	31	8	6	9	26.7	21.4	29.0	25.7	3.9
234	2	I	60	29	29	32	9	5	6	31.0	17.2	18.8	22.3	7.6
234	2	I	70	32	34	30	10	7	8	31.3	20.6	26.7	26.2	5.3
234	2	I	80	37	51	75	5	6	9	13.5	11.8	12.0	12.4	0.9
234	2	M	50	29	31	60	28	29	58	96.6	93.5	96.7	95.6	1.8
234	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
234	2	M	70	30	33	29	28	30	24	93.3	90.9	82.8	89.0	5.5
234	2	M	80	31	30	33	10	15	16	32.3	50.0	48.5	43.6	9.8
234	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
234	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
234	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
234	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
234	7	I	50	28	32	29	14	9	7	50.0	28.1	24.1	34.1	13.9
234	7	I	60	34	33	32	4	6	5	11.8	18.2	15.6	15.2	3.2
234	7	I	70	29	30	30	7	4	8	24.1	13.3	26.7	21.4	7.1
234	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
234	7	M	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
234	7	M	60	32	26	30	27	21	25	84.4	80.8	83.3	82.8	1.9
234	7	M	70	30	30	30	16	18	16	53.3	60.0	53.3	55.6	3.8
234	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
234	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
234	7	P	70	30	30	30	29	27	25	96.7	90.0	83.3	90.0	6.7
234	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	I	50	29	30	30	18	15	17	62.1	50.0	56.7	56.2	6.0
234	29	I	60	37	53	42	7	13	9	18.9	24.5	21.4	21.6	2.8
234	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0

234	29	M	50	30	30	30	25	27	28	83.3	90.0	93.3	88.9	5.1
234	29	M	60	30	30	30	9	13	8	30.0	43.3	26.7	33.3	8.8
234	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
234	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
234	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	C	I	N/A	32	34	29	4	4	7	12.5	11.8	24.1	16.1	6.9
234	C	M	N/A	30	32	29	26	28	27	86.7	87.5	93.1	89.1	3.5
234	C	P	N/A	30	30	30	27	28	27	90.0	93.3	90.0	91.1	1.9
282	2	I	50	30	28	31	8	6	9	26.7	21.4	29.0	25.7	3.9
282	2	I	60	29	29	32	9	5	6	31.0	17.2	18.8	22.3	7.6
282	2	I	70	32	34	30	10	7	8	31.3	20.6	26.7	26.2	5.3
282	2	I	80	37	51	75	5	6	9	13.5	11.8	12.0	12.4	0.9
282	2	M	50	29	31	60	28	29	58	96.6	93.5	96.7	95.6	1.8
282	2	M	60	30	58	30	29	55	27	96.7	94.8	90.0	93.8	3.4
282	2	M	70	30	33	29	28	30	24	93.3	90.9	82.8	89.0	5.5
282	2	M	80	31	30	33	10	15	16	32.3	50.0	48.5	43.6	9.8
282	2	P	50	33	27	31	33	27	31	100.0	100.0	100.0	100.0	0.0
282	2	P	60	30	29	30	30	29	30	100.0	100.0	100.0	100.0	0.0
282	2	P	70	31	30	29	31	30	29	100.0	100.0	100.0	100.0	0.0
282	2	P	80	30	30	30	28	28	28	93.3	93.3	93.3	93.3	0.0
282	7	I	50	28	32	29	14	9	7	50.0	28.1	24.1	34.1	13.9
282	7	I	60	34	33	32	4	6	5	11.8	18.2	15.6	15.2	3.2
282	7	I	70	29	30	30	7	4	8	24.1	13.3	26.7	21.4	7.1
282	7	I	80	50	50	44	0	0	0	0.0	0.0	0.0	0.0	0.0
282	7	M	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
282	7	M	60	32	26	30	27	21	25	84.4	80.8	83.3	82.8	1.9
282	7	M	70	30	30	30	16	18	16	53.3	60.0	53.3	55.6	3.8
282	7	M	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

282	7	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
282	7	P	60	31	31	29	30	29	29	96.8	93.5	100.0	96.8	3.2
282	7	P	70	30	30	30	29	27	25	96.7	90.0	83.3	90.0	6.7
282	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	I	50	29	30	30	18	15	17	62.1	50.0	56.7	56.2	6.0
282	29	I	60	37	53	42	7	13	9	18.9	24.5	21.4	21.6	2.8
282	29	I	70	31	35	34	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	I	80	50	42	38	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	M	50	30	30	30	25	27	28	83.3	90.0	93.3	88.9	5.1
282	29	M	60	30	30	30	9	13	8	30.0	43.3	26.7	33.3	8.8
282	29	M	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	M	80	8	45	36	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	P	50	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
282	29	P	60	30	30	30	26	26	27	86.7	86.7	90.0	87.8	1.9
282	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	C	I	N/A	32	34	29	4	4	7	12.5	11.8	24.1	16.1	6.9
282	C	M	N/A	30	32	29	26	28	27	86.7	87.5	93.1	89.1	3.5
282	C	P	N/A	30	30	30	27	28	27	90.0	93.3	90.0	91.1	1.9

Control germination curves
Calculated by taking the average germination (%) of each control diaspore type at each count time (hrs).

Count Time (hrs)	Average Percentage		
	Control I	Control M	Control P
0	0.0	0.0	0.0
22	0.0	1.1	0.0
24	0.0	1.1	0.0
28	0.0	4.4	0.0
44	0.0	14.3	14.4
48	0.0	16.5	16.7
52	0.0	21.0	22.2
69	0.0	40.6	38.9
93	3.3	55.0	52.2
117	6.3	63.9	55.6
141	12.9	79.3	75.6
165	14.0	85.7	81.1
189	16.1	85.7	91.1
213	16.1	85.7	91.1
234	16.1	85.7	91.1
282	16.1	85.7	91.1

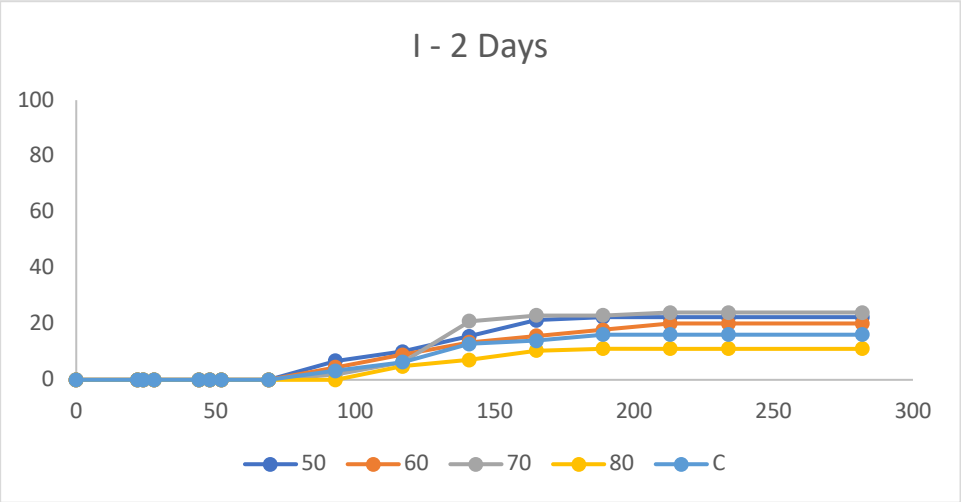


IND germination curves

Calculated by taking the average germination (%) of IND (I) fruits aged at each humidity (%) at each count time (hrs).

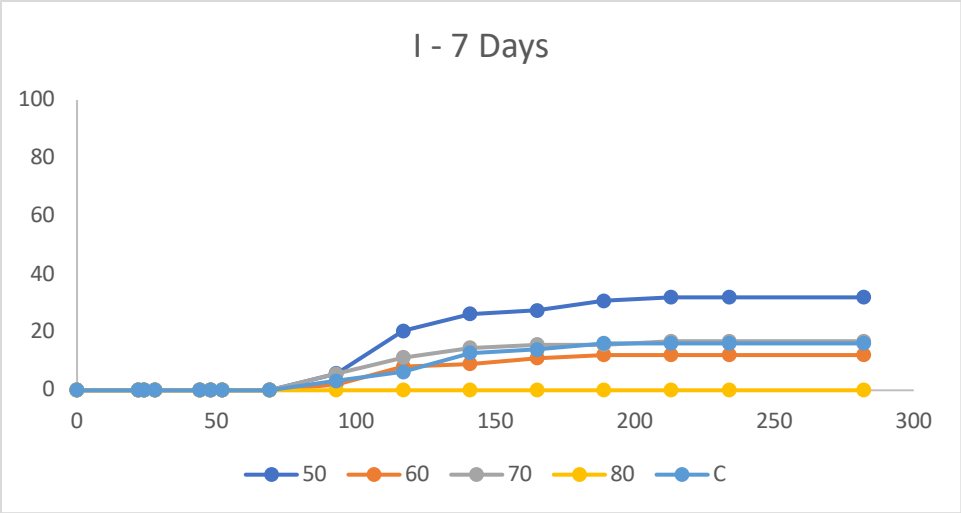
IND fruit (I) aged for 2 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0
93	6.8	4.5	2.0	0.0	3.3
117	10.1	9.0	6.2	4.8	6.3
141	15.5	13.5	21.0	7.1	12.9
165	21.3	15.7	23.0	10.4	14.0
189	22.4	17.9	23.0	11.1	16.1
213	22.4	20.2	24.1	11.1	16.1
234	22.4	20.2	24.1	11.1	16.1
282	22.4	20.2	24.1	11.1	16.1



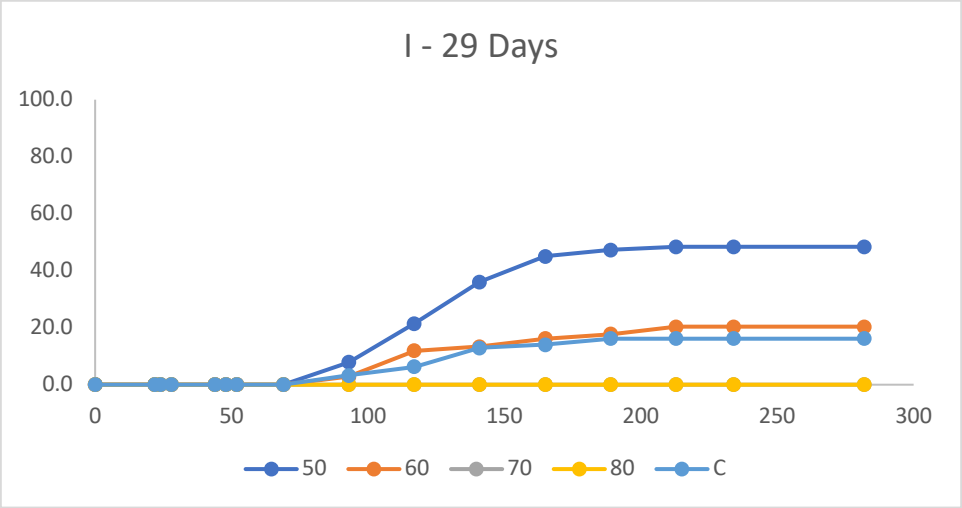
IND fruit (I) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0
93	5.8	2.0	5.7	0.0	3.3
117	20.4	8.1	11.3	0.0	6.3
141	26.3	9.1	14.6	0.0	12.9
165	27.5	11.1	15.7	0.0	14.0
189	30.8	12.1	15.7	0.0	16.1
213	32.0	12.1	16.9	0.0	16.1
234	32.0	12.1	16.9	0.0	16.1
282	32.0	12.1	16.9	0.0	16.1



IND fruit (I) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0
44	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0	0.0
69	0.0	0.0	0.0	0.0	0.0
93	7.9	2.8	0.0	0.0	3.3
117	21.4	11.9	0.0	0.0	6.3
141	36.1	13.4	0.0	0.0	12.9
165	45.0	16.2	0.0	0.0	14.0
189	47.3	17.8	0.0	0.0	16.1
213	48.4	20.4	0.0	0.0	16.1
234	48.4	20.4	0.0	0.0	16.1
282	48.4	20.4	0.0	0.0	16.1

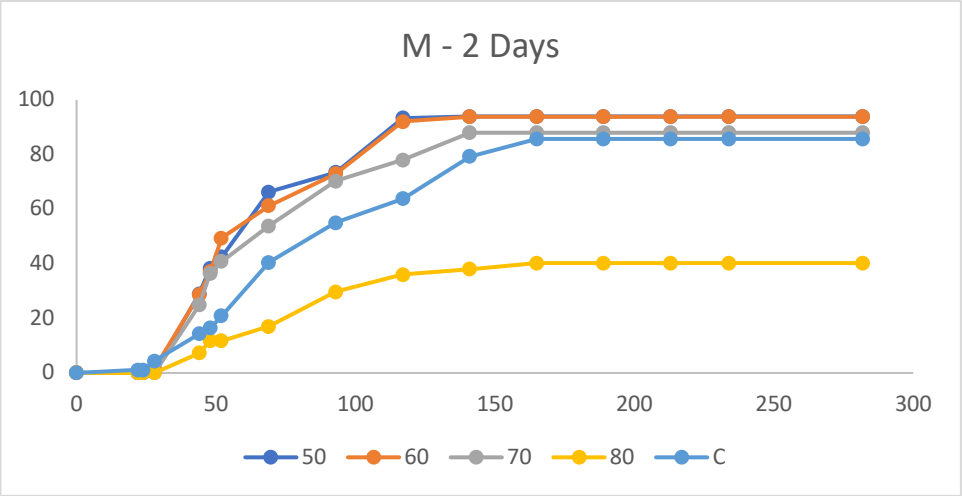


M- germination curves

Calculated by taking the average germination (%) ofM- (M) seeds aged at each humidity (%) at each count time (hrs).

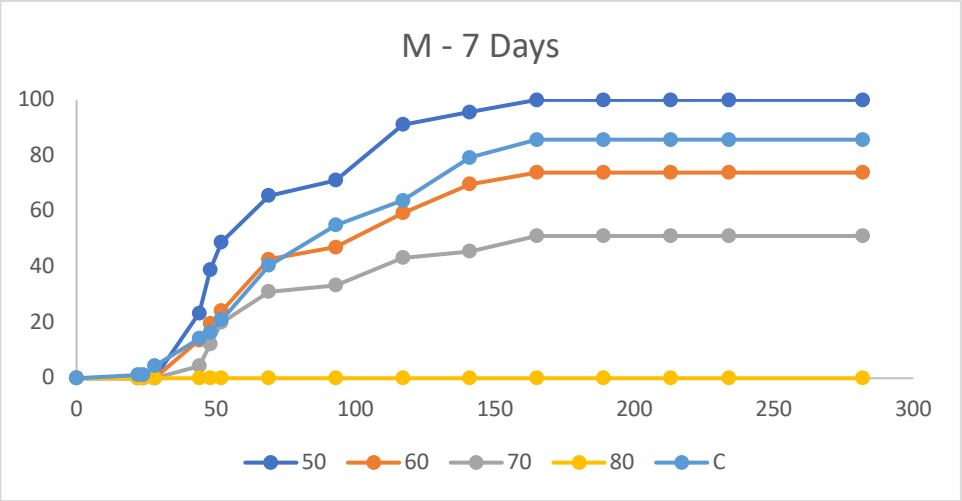
M- seeds (M) aged for 2 days

	Average Germination (%) by Humidity (%) with control				
Count Time (hrs)	**50**	**60**	**70**	**80**	**C**
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	1.1
24	0.0	0.0	0.0	0.0	1.1
28	0.6	1.7	0.0	0.0	4.4
44	29.0	28.7	24.9	7.3	14.3
48	38.4	37.1	36.5	11.7	16.5
52	42.4	49.4	40.9	11.7	21.0
69	66.3	61.3	53.8	17.1	40.6
93	73.5	73.0	70.3	29.7	55.0
117	93.4	92.1	78.1	36.0	63.9
141	94.0	93.8	88.0	38.1	79.3
165	94.0	93.8	88.0	40.2	85.7
189	94.0	93.8	88.0	40.2	85.7
213	94.0	93.8	88.0	40.2	85.7
234	94.0	93.8	88.0	40.2	85.7
282	94.0	93.8	88.0	40.2	85.7



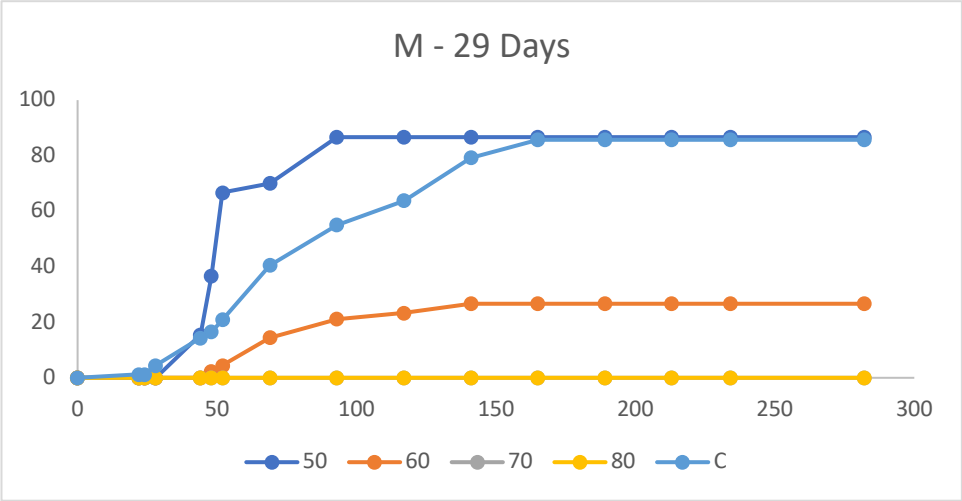
M- seeds (M) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	1.1
24	0.0	0.0	0.0	0.0	1.1
28	0.0	0.0	0.0	0.0	4.4
44	23.3	13.7	4.4	0.0	14.3
48	38.9	19.6	12.2	0.0	16.5
52	48.9	24.2	20.0	0.0	21.0
69	65.6	42.7	31.1	0.0	40.6
93	71.1	47.1	33.3	0.0	55.0
117	91.1	59.4	43.3	0.0	63.9
141	95.6	69.7	45.6	0.0	79.3
165	100.0	73.9	51.1	0.0	85.7
189	100.0	73.9	51.1	0.0	85.7
213	100.0	73.9	51.1	0.0	85.7
234	100.0	73.9	51.1	0.0	85.7
282	100.0	73.9	51.1	0.0	85.7



M- seeds (M) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	1.1
24	0.0	0.0	0.0	0.0	1.1
28	0.0	0.0	0.0	0.0	4.4
44	15.6	0.0	0.0	0.0	14.3
48	36.7	2.2	0.0	0.0	16.5
52	66.7	4.4	0.0	0.0	21.0
69	70.0	14.4	0.0	0.0	40.6
93	86.7	21.1	0.0	0.0	55.0
117	86.7	23.3	0.0	0.0	63.9
141	86.7	26.7	0.0	0.0	79.3
165	86.7	26.7	0.0	0.0	85.7
189	86.7	26.7	0.0	0.0	85.7
213	86.7	26.7	0.0	0.0	85.7
234	86.7	26.7	0.0	0.0	85.7
282	86.7	26.7	0.0	0.0	85.7

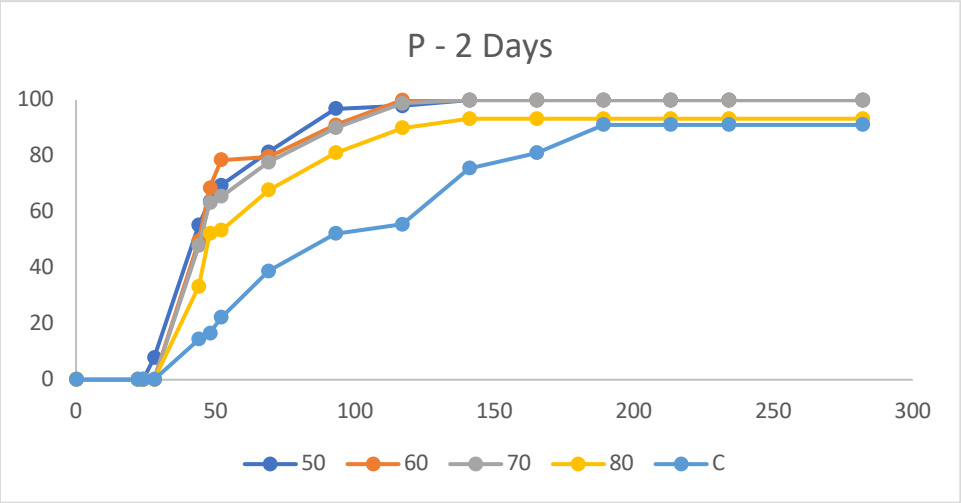


M+ germination curves

Calculated by taking the average germination (%) ofM+ (P) seeds aged at each humidity (%) at each count time (hrs).

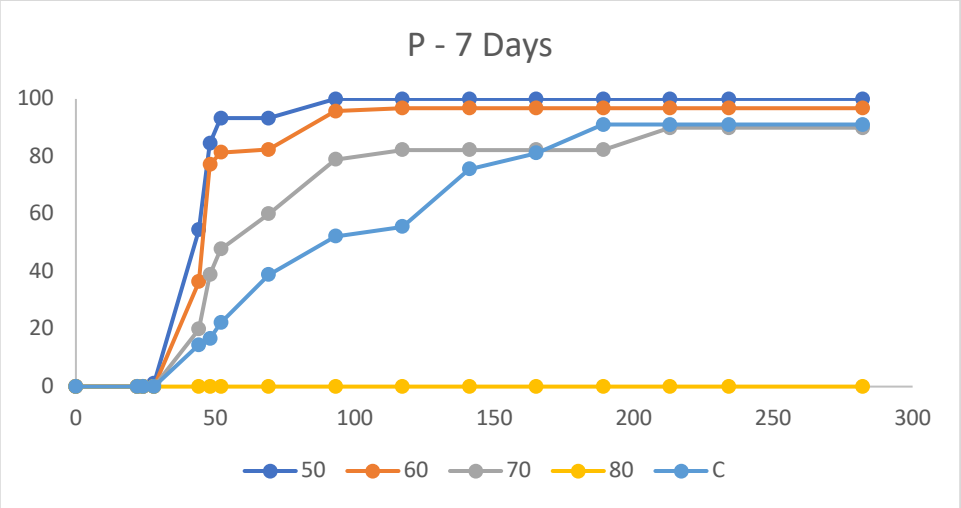
M+ seeds (P) aged for 2 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	7.9	0.0	0.0	0.0	0.0
44	55.3	49.6	47.8	33.3	14.4
48	63.8	68.6	63.3	52.2	16.7
52	69.5	78.6	65.6	53.3	22.2
69	81.4	79.7	77.8	67.8	38.9
93	96.9	91.0	90.0	81.1	52.2
117	97.9	100.0	98.9	90.0	55.6
141	100.0	100.0	100.0	93.3	75.6
165	100.0	100.0	100.0	93.3	81.1
189	100.0	100.0	100.0	93.3	91.1
213	100.0	100.0	100.0	93.3	91.1
234	100.0	100.0	100.0	93.3	91.1
282	100.0	100.0	100.0	93.3	91.1



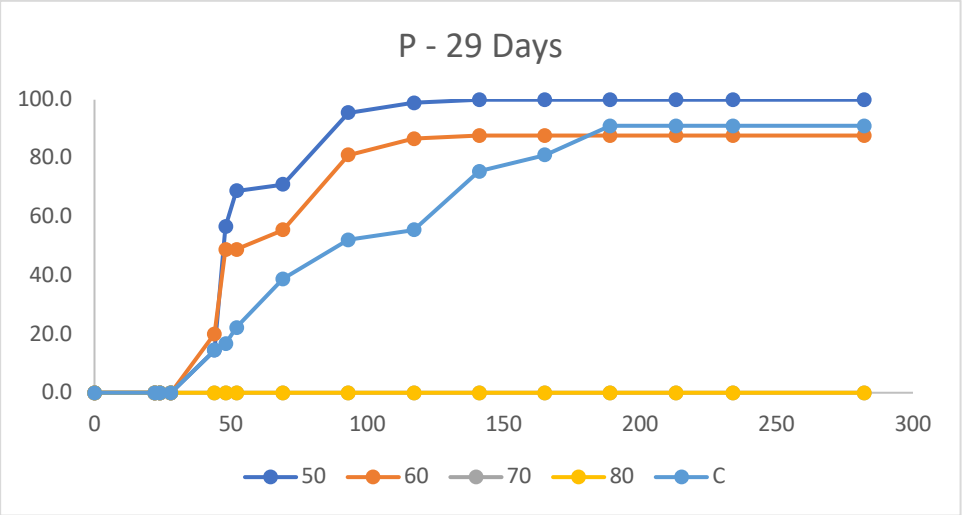
M+ seeds (P) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	1.1	0.0	0.0	0.0	0.0
44	54.4	36.4	20.0	0.0	14.4
48	84.4	77.1	38.9	0.0	16.7
52	93.3	81.3	47.8	0.0	22.2
69	93.3	82.4	60.0	0.0	38.9
93	100.0	95.7	78.9	0.0	52.2
117	100.0	96.8	82.2	0.0	55.6
141	100.0	96.8	82.2	0.0	75.6
165	100.0	96.8	82.2	0.0	81.1
189	100.0	96.8	82.2	0.0	91.1
213	100.0	96.8	90.0	0.0	91.1
234	100.0	96.8	90.0	0.0	91.1
282	100.0	96.8	90.0	0.0	91.1



M+ seeds (P) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
22	0.0	0.0	0.0	0.0	0.0
24	0.0	0.0	0.0	0.0	0.0
28	0.0	0.0	0.0	0.0	0.0
44	14.4	20.0	0.0	0.0	14.4
48	56.7	48.9	0.0	0.0	16.7
52	68.9	48.9	0.0	0.0	22.2
69	71.1	55.6	0.0	0.0	38.9
93	95.6	81.1	0.0	0.0	52.2
117	98.9	86.7	0.0	0.0	55.6
141	100.0	87.8	0.0	0.0	75.6
165	100.0	87.8	0.0	0.0	81.1
189	100.0	87.8	0.0	0.0	91.1
213	100.0	87.8	0.0	0.0	91.1
234	100.0	87.8	0.0	0.0	91.1
282	100.0	87.8	0.0	0.0	91.1



GERMINATION DATA WITH HORMONES

Germination data with hormones for *Aethionema arabicum* diaspore types IND (I), M- (M) and M+ (P) following artificial ageing for all treatments plus control treatments.

Count Time (hrs)	Ageing Time	Diaspore Type	Humidity (%)	Initial Diaspore Count			Number Germinated			Percentage Germinated			Average Percentage	Standard Deviation
				Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3	Rep 1	Rep 2	Rep 3		
0	C	I	N/A	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	50	31	29	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	60	34	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	70	29	29	27	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	I	80	30	31	28	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	50	28	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	60	34	35	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	50	33	31	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	60	34	35	35	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	C	M	N/A	31	28	32	0	0	0	0.0	0.0	0.0	0.0	0.0
0	2	M	80	31	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	60	25	30	28	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	70	29	25	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	60	29	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0

0	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	C	P	N/A	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
0	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	C	I	N/A	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	2	I	50	31	29	29	0	0	0	0.0	0.0	0.0	0.0	0.0
42	2	I	60	34	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	2	I	70	29	29	27	0	0	0	0.0	0.0	0.0	0.0	0.0
42	2	I	80	30	31	28	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	I	50	28	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	I	60	34	35	31	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	I	50	33	31	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	I	60	34	35	35	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	C	M	N/A	31	28	32	0	1	1	0.0	3.6	3.1	2.2	1.9
42	2	M	80	31	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	M	60	25	30	28	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	M	70	29	25	31	0	0	0	0.0	0.0	0.0	0.0	0.0
42	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	M	60	29	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	C	P	N/A	30	30	30	9	8	6	30.0	26.7	20.0	25.6	5.1
42	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
42	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

48	C	I	N/A	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	50	31	29	29	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	60	34	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	70	29	29	27	0	0	0	0.0	0.0	0.0	0.0	0.0
48	2	I	80	30	31	28	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	50	28	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	60	34	35	31	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	50	33	31	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	60	34	35	35	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	C	M	N/A	31	28	32	3	4	2	9.7	14.3	6.3	10.1	4.0
48	2	M	80	31	29	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	M	60	25	30	28	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	M	70	29	25	31	0	0	0	0.0	0.0	0.0	0.0	0.0
48	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	M	60	29	31	29	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	C	P	N/A	30	30	30	17	20	16	56.7	66.7	53.3	58.9	6.9
48	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
48	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	C	I	N/A	29	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	2	I	50	31	29	29	0	0	0	0.0	0.0	0.0	0.0	0.0
66	2	I	60	34	34	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	2	I	70	29	29	27	0	0	0	0.0	0.0	0.0	0.0	0.0
66	2	I	80	30	31	28	0	0	0	0.0	0.0	0.0	0.0	0.0
66	7	I	50	28	30	33	0	0	0	0.0	0.0	0.0	0.0	0.0

66	7	I	60	34	35	31	0	0	0	0.0	0.0	0.0	0.0	0.0
66	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	I	50	33	31	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	I	60	34	35	35	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	C	M	N/A	31	28	32	18	23	19	58.1	82.1	59.4	66.5	13.5
66	2	M	80	31	29	30	5	4	6	16.1	13.8	20.0	16.6	3.1
66	7	M	60	25	30	28	10	19	26	40.0	63.3	92.9	65.4	26.5
66	7	M	70	29	25	31	5	3	5	17.2	12.0	16.1	15.1	2.8
66	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	M	60	29	31	29	1	9	16	3.4	29.0	55.2	29.2	25.9
66	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
66	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
66	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	C	I	N/A	29	30	30	0	2	0	0.0	6.7	0.0	2.2	3.8
90	2	I	50	31	29	29	2	0	1	6.5	0.0	3.4	3.3	3.2
90	2	I	60	34	34	30	2	0	1	5.9	0.0	3.3	3.1	2.9
90	2	I	70	29	29	27	4	0	0	13.8	0.0	0.0	4.6	8.0
90	2	I	80	30	31	28	0	2	1	0.0	6.5	3.6	3.3	3.2
90	7	I	50	28	30	33	1	2	2	3.6	6.7	6.1	5.4	1.6
90	7	I	60	34	35	31	2	2	1	5.9	5.7	3.2	4.9	1.5
90	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
90	29	I	50	33	31	30	4	1	1	12.1	3.2	3.3	6.2	5.1
90	29	I	60	34	35	35	12	9	8	35.3	25.7	22.9	28.0	6.5
90	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0

90	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	C	M	N/A	31	28	32	24	28	26	77.4	100.0	81.3	86.2	12.1
90	2	M	80	31	29	30	8	10	8	25.8	34.5	26.7	29.0	4.8
90	7	M	60	25	30	28	22	24	27	88.0	80.0	96.4	88.1	8.2
90	7	M	70	29	25	31	7	6	6	24.1	24.0	19.4	22.5	2.7
90	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
90	29	M	60	29	31	29	3	11	18	10.3	35.5	62.1	36.0	25.9
90	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
90	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
90	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
90	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	C	I	N/A	29	30	30	5	6	3	17.2	20.0	10.0	15.7	5.2
114	2	I	50	31	29	29	4	7	5	12.9	24.1	17.2	18.1	5.7
114	2	I	60	34	34	30	3	4	7	8.8	11.8	23.3	14.6	7.7
114	2	I	70	29	29	27	9	5	3	31.0	17.2	11.1	19.8	10.2
114	2	I	80	30	31	28	0	5	6	0.0	16.1	21.4	12.5	11.2
114	7	I	50	28	30	33	6	6	8	21.4	20.0	24.2	21.9	2.2
114	7	I	60	34	35	31	4	6	5	11.8	17.1	16.1	15.0	2.9
114	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
114	29	I	50	33	31	30	26	6	14	78.8	19.4	46.7	48.3	29.7
114	29	I	60	34	35	35	12	9	8	35.3	25.7	22.9	28.0	6.5
114	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
114	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	C	M	N/A	31	28	32	29	28	28	93.5	100.0	87.5	93.7	6.3
114	2	M	80	31	29	30	10	11	9	32.3	37.9	30.0	33.4	4.1
114	7	M	60	25	30	28	23	26	27	92.0	86.7	96.4	91.7	4.9
114	7	M	70	29	25	31	9	6	7	31.0	24.0	22.6	25.9	4.5
114	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0

114	29	M	60	29	31	29	5	12	18	17.2	38.7	62.1	39.3	22.4
114	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
114	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
114	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
114	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
138	C	I	N/A	29	30	30	8	11	9	27.6	36.7	30.0	31.4	4.7
138	2	I	50	31	29	29	11	9	8	35.5	31.0	27.6	31.4	4.0
138	2	I	60	34	34	30	7	8	8	20.6	23.5	26.7	23.6	3.0
138	2	I	70	29	29	27	16	9	12	55.2	31.0	44.4	43.6	12.1
138	2	I	80	30	31	28	5	12	11	16.7	38.7	39.3	31.6	12.9
138	7	I	50	28	30	33	10	11	15	35.7	36.7	45.5	39.3	5.4
138	7	I	60	34	35	31	11	11	10	32.4	31.4	32.3	32.0	0.5
138	7	I	70	33	35	30	0	0	0	0.0	0.0	0.0	0.0	0.0
138	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
138	29	I	50	33	31	30	26	6	14	78.8	19.4	46.7	48.3	29.7
138	29	I	60	34	35	35	12	9	8	35.3	25.7	22.9	28.0	6.5
138	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
138	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
138	C	M	N/A	31	28	32	30	28	29	96.8	100.0	90.6	95.8	4.8
138	2	M	80	31	29	30	10	14	10	32.3	48.3	33.3	38.0	9.0
138	7	M	60	25	30	28	23	27	28	92.0	90.0	100.0	94.0	5.3
138	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
138	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
138	29	M	60	29	31	29	6	15	18	20.7	48.4	62.1	43.7	21.1
138	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
138	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
138	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
138	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
138	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

138	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
162	C	I	N/A	29	30	30	9	11	10	31.0	36.7	33.3	33.7	2.8
162	2	I	50	31	29	29	12	9	8	38.7	31.0	27.6	32.4	5.7
162	2	I	60	34	34	30	7	8	8	20.6	23.5	26.7	23.6	3.0
162	2	I	70	29	29	27	16	13	15	55.2	44.8	55.6	51.9	6.1
162	2	I	80	30	31	28	12	16	13	40.0	51.6	46.4	46.0	5.8
162	7	I	50	28	30	33	10	11	16	35.7	36.7	48.5	40.3	7.1
162	7	I	60	34	35	31	13	12	12	38.2	34.3	38.7	37.1	2.4
162	7	I	70	33	35	30	9	8	9	27.3	22.9	30.0	26.7	3.6
162	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	I	50	33	31	30	26	11	14	78.8	35.5	46.7	53.6	22.5
162	29	I	60	34	35	35	14	10	9	41.2	28.6	25.7	31.8	8.2
162	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
162	C	M	N/A	31	28	32	30	28	29	96.8	100.0	90.6	95.8	4.8
162	2	M	80	31	29	30	10	14	10	32.3	48.3	33.3	38.0	9.0
162	7	M	60	25	30	28	23	28	28	92.0	93.3	100.0	95.1	4.3
162	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
162	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	M	60	29	31	29	7	15	18	24.1	48.4	62.1	44.9	19.2
162	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
162	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
162	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
162	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
186	C	I	N/A	29	30	30	18	17	16	62.1	56.7	53.3	57.4	4.4
186	2	I	50	31	29	29	18	13	14	58.1	44.8	48.3	50.4	6.9
186	2	I	60	34	34	30	15	16	13	44.1	47.1	43.3	44.8	2.0
186	2	I	70	29	29	27	18	13	19	62.1	44.8	70.4	59.1	13.0

186	2	I	80	30	31	28	15	18	13	50.0	58.1	46.4	51.5	6.0
186	7	I	50	28	30	33	15	19	18	53.6	63.3	54.5	57.2	5.4
186	7	I	60	34	35	31	14	18	14	41.2	51.4	45.2	45.9	5.2
186	7	I	70	33	35	30	14	11	13	42.4	31.4	43.3	39.1	6.6
186	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	I	50	33	31	30	28	11	21	84.8	35.5	70.0	63.4	25.3
186	29	I	60	34	35	35	15	15	10	44.1	42.9	28.6	38.5	8.6
186	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
186	C	M	N/A	31	28	32	30	28	29	96.8	100.0	90.6	95.8	4.8
186	2	M	80	31	29	30	10	14	10	32.3	48.3	33.3	38.0	9.0
186	7	M	60	25	30	28	23	28	28	92.0	93.3	100.0	95.1	4.3
186	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
186	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	M	60	29	31	29	7	15	20	24.1	48.4	69.0	47.2	22.4
186	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
186	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
186	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
186	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
210	C	I	N/A	29	30	30	24	20	23	82.8	66.7	76.7	75.4	8.1
210	2	I	50	31	29	29	26	21	21	83.9	72.4	72.4	76.2	6.6
210	2	I	60	34	34	30	23	23	21	67.6	67.6	70.0	68.4	1.4
210	2	I	70	29	29	27	21	15	21	72.4	51.7	77.8	67.3	13.8
210	2	I	80	30	31	28	16	21	15	53.3	67.7	53.6	58.2	8.3
210	7	I	50	28	30	33	19	21	21	67.9	70.0	63.6	67.2	3.2
210	7	I	60	34	35	31	17	22	21	50.0	62.9	67.7	60.2	9.2
210	7	I	70	33	35	30	16	16	15	48.5	45.7	50.0	48.1	2.2
210	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	I	50	33	31	30	31	11	25	93.9	35.5	83.3	70.9	31.1

210	29	I	60	34	35	35	18	17	14	52.9	48.6	40.0	47.2	6.6
210	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
210	C	M	N/A	31	28	32	30	28	30	96.8	100.0	93.8	96.8	3.1
210	2	M	80	31	29	30	10	16	10	32.3	55.2	33.3	40.3	12.9
210	7	M	60	25	30	28	23	28	28	92.0	93.3	100.0	95.1	4.3
210	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
210	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	M	60	29	31	29	7	15	20	24.1	48.4	69.0	47.2	22.4
210	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
210	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
210	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
210	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	C	I	N/A	29	30	30	25	24	26	86.2	80.0	86.7	84.3	3.7
234	2	I	50	31	29	29	28	21	22	90.3	72.4	75.9	79.5	9.5
234	2	I	60	34	34	30	29	28	26	85.3	82.4	86.7	84.8	2.2
234	2	I	70	29	29	27	26	18	21	89.7	62.1	77.8	76.5	13.8
234	2	I	80	30	31	28	16	24	15	53.3	77.4	53.6	61.4	13.8
234	7	I	50	28	30	33	21	21	21	75.0	70.0	63.6	69.5	5.7
234	7	I	60	34	35	31	22	22	25	64.7	62.9	80.6	69.4	9.8
234	7	I	70	33	35	30	21	21	23	63.6	60.0	76.7	66.8	8.8
234	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	I	50	33	31	30	31	11	25	93.9	35.5	83.3	70.9	31.1
234	29	I	60	34	35	35	18	17	14	52.9	48.6	40.0	47.2	6.6
234	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	C	M	N/A	31	28	32	30	28	30	96.8	100.0	93.8	96.8	3.1
234	2	M	80	31	29	30	12	16	10	38.7	55.2	33.3	42.4	11.4
234	7	M	60	25	30	28	23	28	28	92.0	93.3	100.0	95.1	4.3

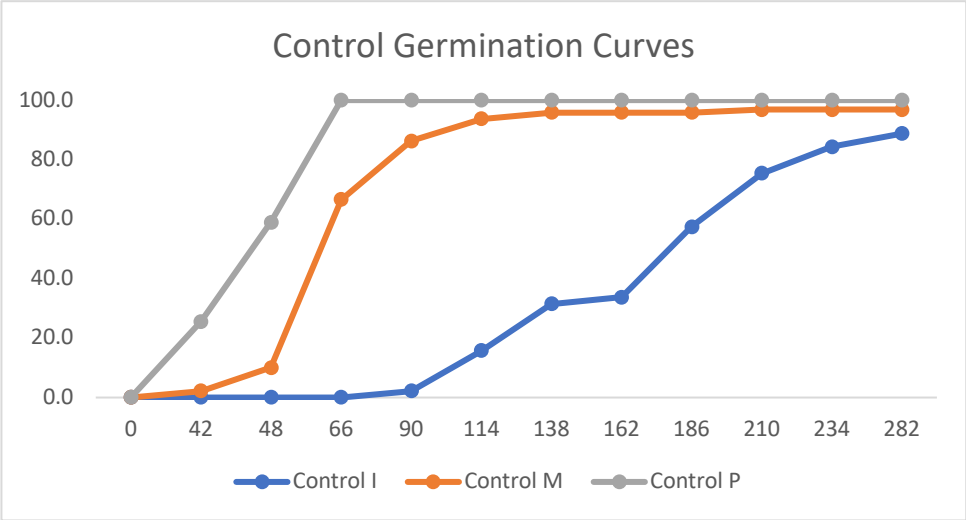
234	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
234	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	M	60	29	31	29	7	15	21	24.1	48.4	72.4	48.3	24.1
234	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0
234	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
234	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	C	I	N/A	29	30	30	25	26	28	86.2	86.7	93.3	88.7	4.0
282	2	I	50	31	29	29	28	22	22	90.3	75.9	75.9	80.7	8.3
282	2	I	60	34	34	30	29	28	26	85.3	82.4	86.7	84.8	2.2
282	2	I	70	29	29	27	26	21	25	89.7	72.4	92.6	84.9	10.9
282	2	I	80	30	31	28	21	25	18	70.0	80.6	64.3	71.6	8.3
282	7	I	50	28	30	33	23	23	29	82.1	76.7	87.9	82.2	5.6
282	7	I	60	34	35	31	29	24	28	85.3	68.6	90.3	81.4	11.4
282	7	I	70	33	35	30	23	24	23	69.7	68.6	76.7	71.6	4.4
282	7	I	80	31	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	I	50	33	31	30	31	14	26	93.9	45.2	86.7	75.3	26.3
282	29	I	60	34	35	35	18	17	14	52.9	48.6	40.0	47.2	6.6
282	29	I	70	31	33	34	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	I	80	29	39	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	C	M	N/A	31	28	32	30	28	30	96.8	100.0	93.8	96.8	3.1
282	2	M	80	31	29	30	12	16	10	38.7	55.2	33.3	42.4	11.4
282	7	M	60	25	30	28	23	28	28	92.0	93.3	100.0	95.1	4.3
282	7	M	70	29	25	31	10	8	7	34.5	32.0	22.6	29.7	6.3
282	7	M	80	30	31	31	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	M	60	29	31	29	7	15	21	24.1	48.4	72.4	48.3	24.1
282	29	M	70	32	34	37	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	M	80	27	25	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	C	P	N/A	30	30	30	30	30	30	100.0	100.0	100.0	100.0	0.0

282	7	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	P	70	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0
282	29	P	80	30	30	30	0	0	0	0.0	0.0	0.0	0.0	0.0

Control germination curves

Calculated by taking the average germination (%) of each control diaspore type at each count time (hrs).

	Average Percentage		
Count Time (hrs)	**Control I**	**Control M**	**Control P**
0	0.0	0.0	0.0
42	0.0	2.2	25.6
48	0.0	10.1	58.9
66	0.0	66.5	100.0
90	2.2	86.2	100.0
114	15.7	93.7	100.0
138	31.4	95.8	100.0
162	33.7	95.8	100.0
186	57.4	95.8	100.0
210	75.4	96.8	100.0
234	84.3	96.8	100.0
282	88.7	96.8	100.0

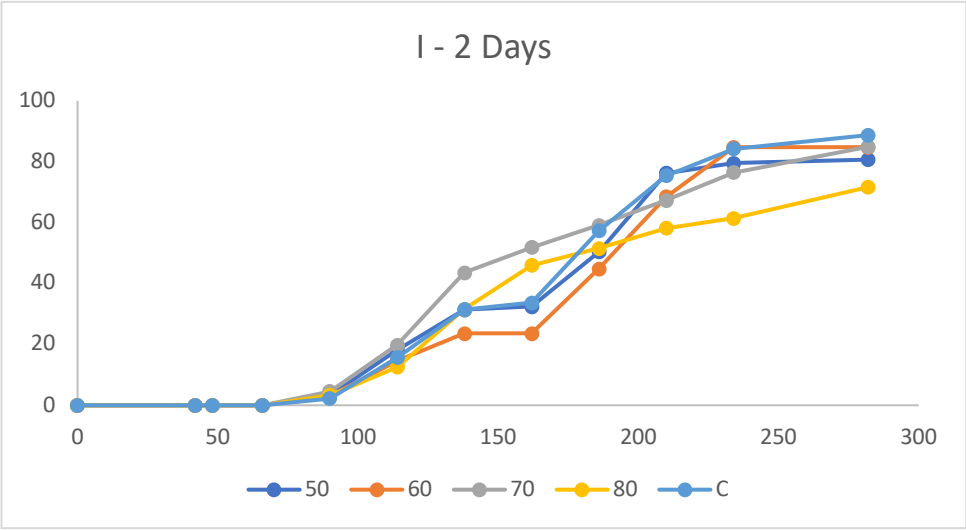


IND germination curves

Calculated by taking the average germination (%) of IND (I) fruits aged at each humidity (%) at each count time (hrs).

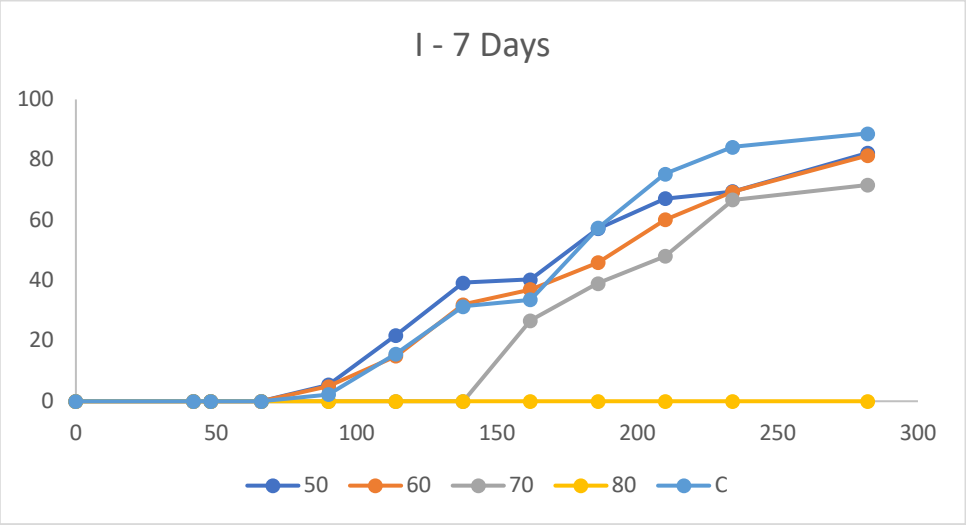
IND fruit (I) aged for 2 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0
90	3.3	3.1	4.6	3.3	2.2
114	18.1	14.6	19.8	12.5	15.7
138	31.4	23.6	43.6	31.6	31.4
162	32.4	23.6	51.9	46.0	33.7
186	50.4	44.8	59.1	51.5	57.4
210	76.2	68.4	67.3	58.2	75.4
234	79.5	84.8	76.5	61.4	84.3
282	80.7	84.8	84.9	71.6	88.7



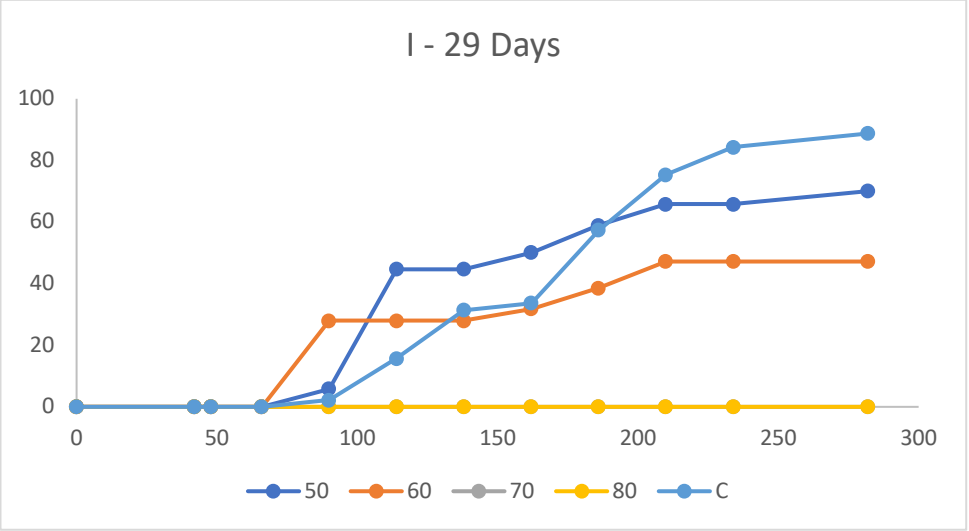
IND fruit (I) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0
90	5.4	4.9	0.0	0.0	2.2
114	21.9	15.0	0.0	0.0	15.7
138	39.3	32.0	0.0	0.0	31.4
162	40.3	37.1	26.7	0.0	33.7
186	57.2	45.9	39.1	0.0	57.4
210	67.2	60.2	48.1	0.0	75.4
234	69.5	69.4	66.8	0.0	84.3
282	82.2	81.4	71.6	0.0	88.7



IND fruit (I) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0	0.0	0.0	0.0	0.0	0.0
42	0.0	0.0	0.0	0.0	0.0
48	0.0	0.0	0.0	0.0	0.0
66	0.0	0.0	0.0	0.0	0.0
90	5.8	28.0	0.0	0.0	2.2
114	44.7	28.0	0.0	0.0	15.7
138	44.7	28.0	0.0	0.0	31.4
162	50.0	31.8	0.0	0.0	33.7
186	59.0	38.5	0.0	0.0	57.4
210	65.8	47.2	0.0	0.0	75.4
234	65.8	47.2	0.0	0.0	84.3
282	70.0	47.2	0.0	0.0	88.7

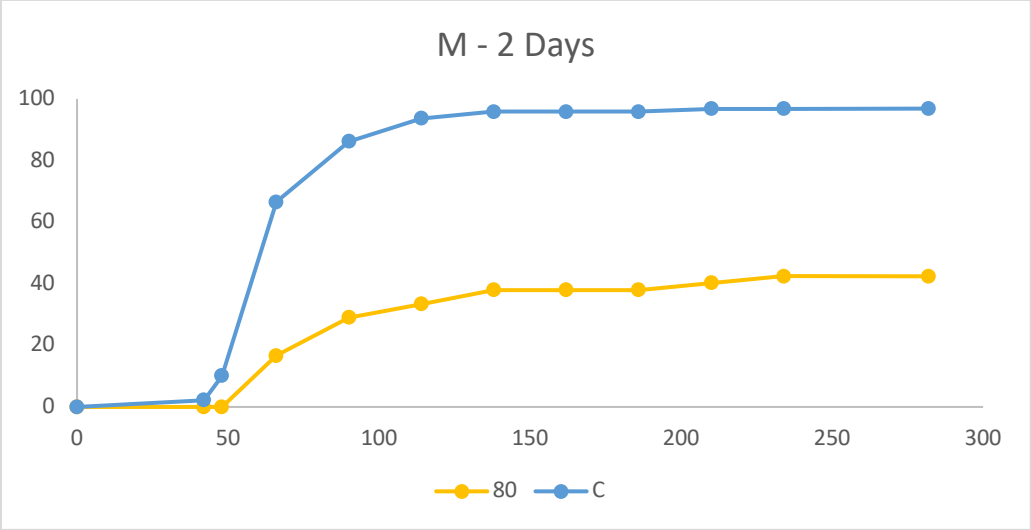


M- germination curves

Calculated by taking the average germination (%) ofM- (M) seeds aged at each humidity (%) at each count time (hrs).

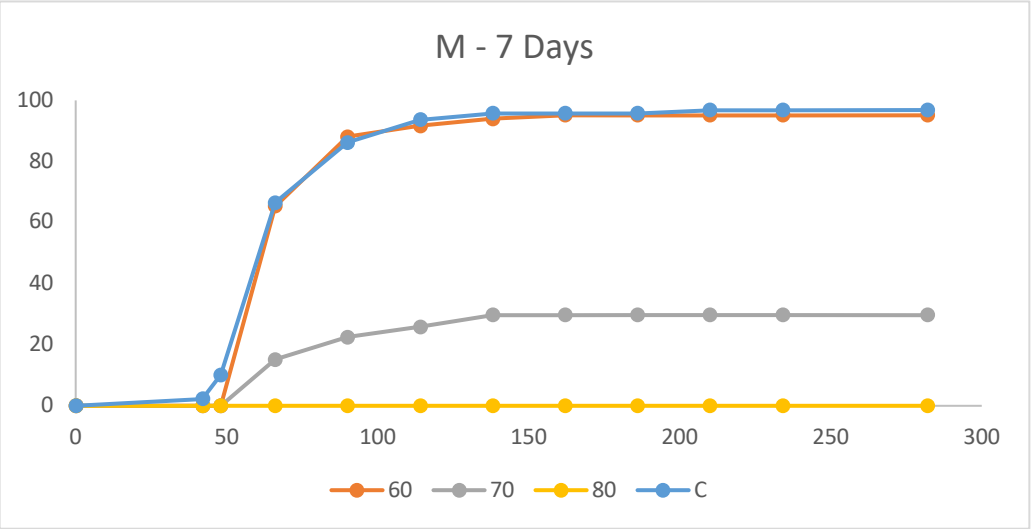
M- seeds (M) aged for 2 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0				0.0	0.0
42				0.0	2.2
48				0.0	10.1
66				16.6	66.5
90				29.0	86.2
114				33.4	93.7
138				38.0	95.8
162				38.0	95.8
186				38.0	95.8
210				40.3	96.8
234				42.4	96.8
282				42.4	96.8



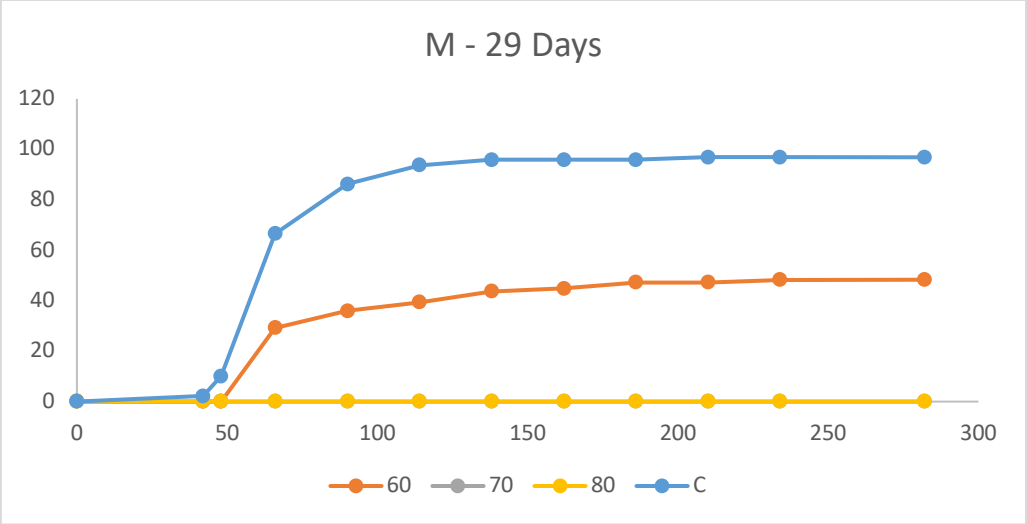
M- seeds (M) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0		0.0	0.0	0.0	0.0
42		0.0	0.0	0.0	2.2
48		0.0	0.0	0.0	10.1
66		65.4	15.1	0.0	66.5
90		88.1	22.5	0.0	86.2
114		91.7	25.9	0.0	93.7
138		94.0	29.7	0.0	95.8
162		95.1	29.7	0.0	95.8
186		95.1	29.7	0.0	95.8
210		95.1	29.7	0.0	96.8
234		95.1	29.7	0.0	96.8
282		95.1	29.7	0.0	96.8



M- seeds (M) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0		0.0	0.0	0.0	0.0
42		0.0	0.0	0.0	2.2
48		0.0	0.0	0.0	10.1
66		29.2	0.0	0.0	66.5
90		36.0	0.0	0.0	86.2
114		39.3	0.0	0.0	93.7
138		43.7	0.0	0.0	95.8
162		44.9	0.0	0.0	95.8
186		47.2	0.0	0.0	95.8
210		47.2	0.0	0.0	96.8
234		48.3	0.0	0.0	96.8
282		48.3	0.0	0.0	96.8

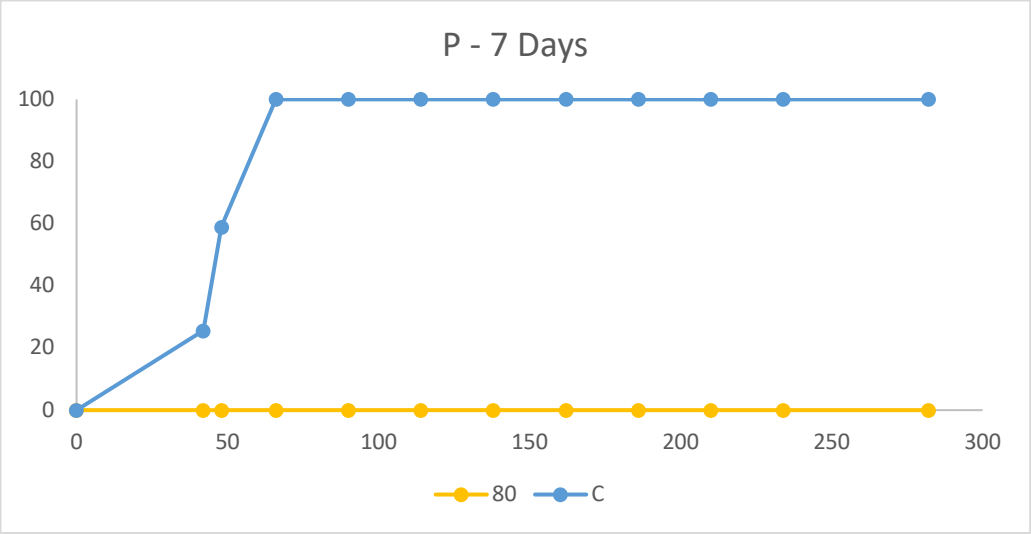


M+ germination curves

Calculated by taking the average germination (%) ofM+ (P) seeds aged at each humidity (%) at each count time (hrs).

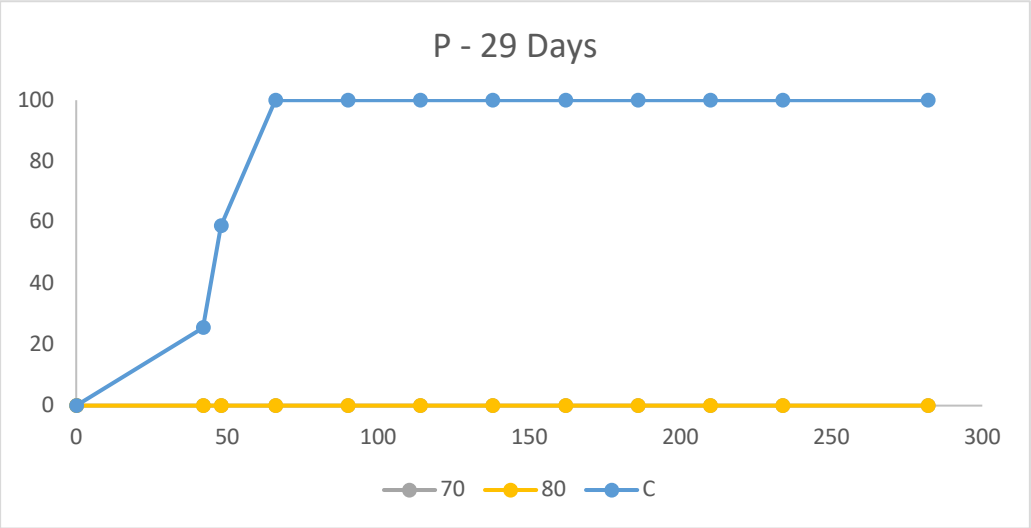
M+ seeds (P) aged for 7 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0				0.0	0.0
42				0.0	25.6
48				0.0	58.9
66				0.0	100.0
90				0.0	100.0
114				0.0	100.0
138				0.0	100.0
162				0.0	100.0
186				0.0	100.0
210				0.0	100.0
234				0.0	100.0
282				0.0	100.0



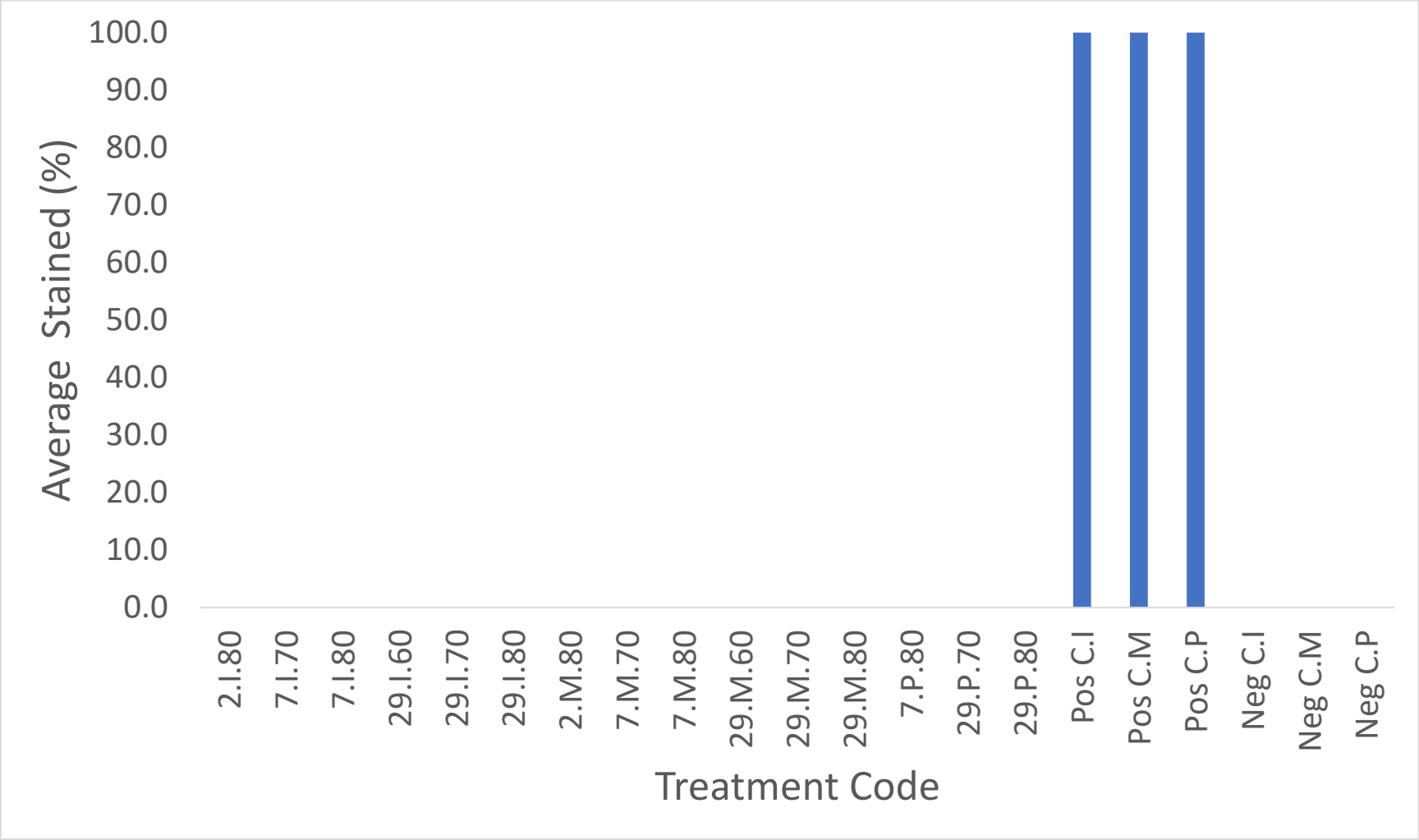
M+ seeds (P) aged for 29 days

Count Time (hrs)	Average Germination (%) by Humidity (%) with control				
	50	60	70	80	C
0			0.0	0.0	0.0
42			0.0	0.0	25.6
48			0.0	0.0	58.9
66			0.0	0.0	100.0
90			0.0	0.0	100.0
114			0.0	0.0	100.0
138			0.0	0.0	100.0
162			0.0	0.0	100.0
186			0.0	0.0	100.0
210			0.0	0.0	100.0
234			0.0	0.0	100.0
282			0.0	0.0	100.0



STAINING DATA

Staining data for *Aethioenema arabicum* diaspore types IND (I), M- (M) and M+ (P) following aritificial ageing and hormone treatments for treatments with reduced germination, plus positive control and negative control diaspore types.

Ageing Time	Diaspore Type	Humidity (%)	Treatment Code	Final Average Germination (%)	Rep 1	Rep 2	Rep 3	Rep 1 Percentage	Rep 1 Percentage	Rep 1 Percentage	Average (%)
2	I	80	2.I.80	71.6	0	0	0	0.0	0.0	0.0	0.0
7	I	70	7.I.70	71.6	0	0	0	0.0	0.0	0.0	0.0
7	I	80	7.I.80	0.0	0	0	0	0.0	0.0	0.0	0.0
29	I	60	29.I.60	47.2	0	0	0	0.0	0.0	0.0	0.0
29	I	70	29.I.70	0.0	0	0	0	0.0	0.0	0.0	0.0
29	I	80	29.I.80	0.0	0	0	0	0.0	0.0	0.0	0.0
2	M	80	2.M.80	42.4	0	0	0	0.0	0.0	0.0	0.0
7	M	70	7.M.70	29.7	0	0	0	0.0	0.0	0.0	0.0
7	M	80	7.M.80	0.0	0	0	0	0.0	0.0	0.0	0.0
29	M	60	29.M.60	48.3	0	0	0	0.0	0.0	0.0	0.0
29	M	70	29.M.70	0.0	0	0	0	0.0	0.0	0.0	0.0
29	M	80	29.M.80	0.0	0	0	0	0.0	0.0	0.0	0.0
7	P	80	7.P.80	0.0	0	0	0	0.0	0.0	0.0	0.0
29	P	70	29.P.70	0.0	0	0	0	0.0	0.0	0.0	0.0
29	P	80	29.P.80	0.0	0	0	0	0.0	0.0	0.0	0.0
C.Positive	I	N/A	Pos C.I		5	5	5	100.0	100.0	100.0	100.0
C.Positive	M	N/A	Pos C.M		5	5	5	100.0	100.0	100.0	100.0
C.Positive	P	N/A	Pos C.P		5	5	5	100.0	100.0	100.0	100.0
C.Negative	I	N/A	Neg C.I		0	0	0	0.0	0.0	0.0	0.0

C.Negative	M	N/A	Neg C.M		0	0	0	0.0	0.0	0.0	0.0
C.Negative	P	N/A	Neg C.P		0	0	0	0.0	0.0	0.0	0.0