

23.4%* of *low-OAC* Hs females attract Hv males



Chance of mating:

In cage experiments Hv males mate with

- a) Hv females: 58.3%
- b) *low-OAc* Hs females: 43.8%

Deduction: Hv males mate with *low-OAc* Hs females once they are encountered



Time before females resume calling after mating

48 hours (ref. 69)



Number of lifetime matings

on average 2.6 times (ref. 70)



Number of eggs oviposited

50% after 1st mating, 83% after 2nd mating (ref. 39)



Sperm competition

Sperm precedence of the oldest male to mate (ref. 74)

Conspecific versus heterospecific sperm precedence unknown. Three scenario's:

- 1) always conspecific sperm precedence
- 2) always first male sperm precedence, irrespective of con/heterospecific male
- 3) always last male sperm precedence, irrespective of con/heterospecific male



Reproductive success of hybrid offspring

F₁ males are sterile (ref. 38)

Only 30% of F₁ offspring are females, which enter protracted diapause of up to 2 years (refs. 38, 39)



**Communication interference by Hv males
decreases fitness of *low-OAc* Hs females by:**

- 1) 0.136** when there is always conspecific sperm precedence
- 2) 0.231** when there is always first male sperm precedence
- 3) 0.230** when there is always last male sperm precedence