

## BREEDING RESULTS

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### *Thamnophis sirtalis sirtalis.*

**Size of the terrarium:** 120x60x50 cm (lxwxh). **Day and night temperature:** summer: 25/35°C (day) and 20/25°C (night). winter: 24°C (day) and 18°C (night). **Copulation stimulus:** none. **Age of parent snakes:** male born April 1988, female born May 1988. **Length of parent snakes:** male 60 cm, female 72 cm. **Food refusal by female:** no food refusal. **Date of birth:** 2 August 1990. **Number of young:** 9. **Generation of young:** F2. **First feeding of young:** fish and worms after 3-7 days.

Jan van het Meer, Chopinpad 34, 1323 RZ Almere, The Netherlands.

### *Thamnophis sauritus proximus.*

**Size of the terrarium:** 60x60x50 cm (lxbxh). **Day and night temperature:** summer: 30/40°C (day) and 20/25°C (night). winter:  $\pm$  25°C (Day) and  $\pm$  18°C (night). **Copulation stimulus:** none. **Age of parent snakes:** male born in 1988/89, female in 1987. **Length of parent snakes:** male 64 cm, female 96 cm. **Food refusal by female:** no. **Date of birth:** 30 July 1990. **Number of young:** 10. **Weight of young:** F1. **First feeding of young:** after  $\pm$  7 days fish.

Jan van het Meer, Chopinpad 34, 1323 RZ Almere, The Netherlands.

### *Elaphe guttata guttata.*

**Size of the terrarium:** 60x40x110 cm (lxwxh). **Day and night temperature:** summer: 22/30°C (day) and 18/22°C (night). winter: 5/10°C (day and night). **Copulation stimulus:** winterrest from 2 December 1988 till 30 March 1989. **Age of parent snakes:** both 4 years old. **Length of parent snakes:** male 135 cm and female 130 cm. **Date of copulation:** 23 April 1989. **Food refusal by female:** she ate 7 mice after the winterrest, but refused any food after 9 May 1989. **Date of egg-laying:** 15 June 1989. **Number of eggs:** 28. **Incubation temperature:**  $\pm$  28°C. **Date of hatching:** between 16 and 20 August 1989. **Number of young:** 16. **Weight of young:** F2. **Length of young:** 25 - 30 cm. **Date of first slough:** 10 days after hatching. **First feeding of young:** bald mice on 27 August 1989. **Remarks:** last year also a succesfull breeding with the same snakes, but this year 8 eggs with fullgrown, dead young because of to much moisture.

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### *Bothrops schlegelii* - Schlegel's viper.

**Size of the terrarium:** 100x50x60 cm. (lxwxh). **Day and night temperature:** day 26/30°C and night 16/19 °C. **Copulation stimulus:** none. **Age of parent snakes:** both 4 years. **Date of copulation:** 13 February 1990, probably also in December and January. **Food refusal by female:** no. **Date**

**of birth:** 20 August 1990. **Number of young:** 10 alive, 1 dead. **Weight of young:** 1-2 g. **Length of young:** 17-18 cm. **Date of first slough:** 27 August 1990. **First feeding of young:** small frogs.

M. Furiani, Via Fontebuoni 21, Firenze 50137, Italy.

*Vipera ammodytes ammodytes* - sandvipera.

**Size of the terrarium:** 120x60x50 cm (lxwxh). **Copulation stimulus:** Winter-rest from half November 1989 till half January 1990 in a small terrarium in a dark room at a temperature of 16-19°C. Male came out one week earlier than female. **Age of parent snakes:** Female born in 1984, male born in 1985. **Length of parent snakes:** 70-80 cm. **Date of copulation:** 31 January 1990 (duration 4 hours and 10 minutes). **Food refusal by female:** from 2 April 1990. **Date of birth:** 1 May 1990 (within one and a half hour). **Number of young:** 15. **Generation of young:** F2. **Weight of young:** average 8.2 g. **Length of young:** 23.5-25 cm. **Date of first slough:** within several hours of birth. **Remarks:** The female had lost 55 g during pregnancy, but started eating again one day after giving birth.

Henk van de Beek, Hart van Brabantlaan 1644, 5038 JX Tilburg, The Netherlands.

*Vipera aspis aspis*.

**Size of the terrarium:** 120x60x50 cm (lxwxh). **Copulation stimulus:** Winter-rest from half November 1989 till half January 1990 in a small terrarium in a dark room at a temperature of 16-19°C. Male came out one week earlier than females. **Age of parent snakes:** born June 1988. **Length of parent snakes:** male 50 cm, females 60-70 cm. **Date of copulation:** 28 January 1990 (duration 2 hours and 45 minutes). **Food refusal by female:** no. **Date of birth:** 5 May 1990 (between 10.50 and 17.42 hour). **Number of young:** 8 (one died within several minutes). **Weight of young:** average 8.8 g. **Length of young:** 21-23 cm. **Date of first slough:** within several hours of birth. **First feeding of young:** naked mice on 9 May 1990. **Remarks:** The female lost only 5 g in weight during her pregnancy.

Henk van de Beek, Hart van Brabantlaan 1644, 5038 JX Tilburg, The Netherlands.

*Python molurus bivittatus*.

**Size of the terrarium:** 2.5 m<sup>3</sup>. **Day and night temperature:** summer 24-35°C (day) and 22-25°C (night). Winter 20-28°C (day) and 20-22°C (night). **Copulation stimulus:** 8 hours light during winter and 15 hours light during summer. **Age of parent snakes:** male 9 years old, female 8 years old. **Length of parent snakes:** ± 3.5 m. **Date of copulation:** the whole month of February. **Food refusal by female:** since 18 February 1990. **Date of egg-laying:** 9 May 1990. **Number of eggs:** 22, of which 2 non-fertilized. **Incubation temperature:** ± 29°C. **Date of hatching:** 5-8 July 1990. **Number of young:** 20. **Generation of young:** F1. **Weight of young:** ± 130 g. **Length of young:** 65-70 cm. **Date of first slough:** ± 14 days after hatching. **First feeding of young:** 20 July 1990, chicks. **Remarks:** I have bred before with the same male and a different female. In 1989 I used a special box with peat dust and floor heating. In 1990 they bred in their own terrarium with no extra provisions except for a higher relative humidity.

Hans Denessen, Gulikstraat 166, 5913 CX Venlo, The Netherlands.

*Agkistrodon bilineatus bilineatus.*

**Size of the terrarium:** 80x50x50 cm (lxwxh). **Day and night temperature:** summer up till 30°C (day) and 20-23°C (night), winter up till 25°C (day) and 17-20°C (night). **Copulation stimulus:** none. **Age of parent snakes:** female 3 years, male unknown. **Length of parent snakes:** ± 70 cm. **Date of copulation:** from 1 August 1988 till half December 1988. **Food refusal by female:** no. **Date of birth:** 6 April 1989. **Number of young:** 3. **Generation of young:** F1. **Weight of young:** unknown, but rather robust. **Length of young:** 22-23 cm. **Date of first slough:** 14 and 15 April 1989. **First feeding of young:** young mice on 20 April 1989. **Remarks:** In January 1989 I found an infertile egg in the terrarium.

Jan Drent, Knipper 10, 9611 MA Sappermeer, The Netherlands.

*Nerodia fasciata confluens x Nerodia fasciata fasciata.*

**Size of the terrarium:** 40x60x60 cm (lxwxh). **Day and night temperature:** in summer 25-40°C (day) and 10-20°C (night); in winter 6-8°C (day) and 6-8°C (night). **Copulation stimulus:** hibernation a refrigerator from 1 December 1989 until 24 March 1990. **Age of parent snakes:** the age of the female is unknown (wild caught), the male is 3 years old (F2). **Length of parent snakes:** female 87 cm, male 66 cm. **Date of copulation:** spring 1990. **Food refusal by female:** hardly, the female only less voracious in the last few weeks. **Date of birth:** 31 August 1990. **Number of young:** 15. **Generation of young:** F1. **Weight of young:** 4-8 g. **Length of young:** 25.7 cm on average. **Date of first slough:** 31 August 1990. **First feeding of young:** at the beginning of September. **Prey:** smelt.

S.C. Bol, Nieuweweg 88, 2675 BE Honselersdijk, The Netherlands.

*Elaphe guttata guttata.*

**Size of the terrarium:** 60x50x70 cm. **Day and night temperature:** in summer 22-28° (day) and 18-20°C (night); in winter 15-18°C (day) and 15-17°C (night). **Copulation stimulus:** During the winter no lighting and heating. **Age of parent snakes:** 20 months old. **Length of parent snakes:** unknown; the female weighed 420 g. **Date of copulation:** 5 and 6 March 1990. **Food refusal by female:** yes, from 18 March 1990. **Date of egg-laying:** 25 April 1990. **Number of eggs:** 16. **Incubation temperature:** 27°C. **Date of hatching:** 6-10 July 1990. **Number of young:** 13. **Generation of young:** F5. **Weight of young:** 7.8 on average. **Date of first slough:** 16-18 July 1990. **First feeding of young:** 17-18 July 1990.

D.A.J. Anemaet, Karveel 07-75, 8231 AK Lelystad, The Netherlands.

*Natrix tessellata tessellata.*

**Size of the terrarium:** 120x70x50 cm (lxwxh). **Day and night temperature:** in summer 25-40°C (day) and 10-20°C (night); in winter 4-8°C (day) and 4-8°C (night). **Copulation stimulus:** hibernation in the refrigerator from 29 October 1989 until 6 February 1990 at a temperature of 4-8°C. **Age of parent snakes:** unknown; they are wild caught. **Length of parent snakes:** female 95 cm, male 72 cm. **Date of copulation:** immediately after hibernation. **Food refusal by female:** yes, from

the beginning of June 1990. **Date of egg-laying:**  $\pm$  22 June 1990 **Number of eggs:** 13. **Incubation temperature:** 28-30°C. **Date of hatching:** 3-10 August. **Number of young:** 7 live young, and 6 dead young. **Generation of young:** F1. **Weight of young:** 2-4 g. **Length of young:** 20.8-25 cm. **Forcefeeding:** necessary, but I have not done this. **First feeding of young:** 1-3 weeks after hatching; small pieces of smelt. **Remarks:** I have bred with the same species before. In 1989 two females laid 17 eggs of which 9 young hatched. The circumstances were exactly the same.

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*Gonyosoma oxycephala*.

**Size of the terrarium:** 100x60x50 cm (lxbxh). **Day and night temperature:** summer 30°C (day) and 22°C (night). Winter 28°C (day) and 20°C (night). **Copulation stimulus:** none. **Age of parent snakes:** unknown. **Length of parent snakes:** 2.60 m. **Date of egg-laying:** 14 November 1990. **Number of eggs:** 5. **Incubation temperature:** average 28°C. **Date of hatching:** 2 March 1991. **Number of young:** 2 (3 non-fertilized eggs). **Generation of young:** F1. **Weight of young:** 110 g. **Length of young:** 60 cm. **Date of first slough:** 16 March 1991. **First feeding of young:** mouse and rat.

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*Thamnophis sirtalis parietalis*.

**Size of the terrarium:** 60x40x40 cm (lwxh). **Day and night temperature:** in summer 25-35°C (day) and 10-20°C (night); in winter 4-8°C (day and night). **Copulation stimulus:** hibernation in moist sawdust in the refrigerator from 1 September 1990 till 1 February 1991, at a temperature of 4-8°C. **Age of parent snakes:** 5 years old. **Length of parent snakes:** female 73 cm, male 60 cm. **Date of copulation:** February 1991, after hibernation. **Food refusal by female:** lessened appetite from  $\pm$  10 April 1991. **Date of birth:** 29 April 1991. **Number of young:** 18, 2 non-fertilized eggs. **Generation of young:** F2. **Weight of young:** 1.8 g. **Length of young:** 19.6 cm on average. **Date of first slough:** 29 April 1991. **First feeding of young:** 4-9 May 1991. **Prey:** smelt, worms and tadpoles. **Remarks:** I have bred before with the same species. In 1986 the "parent snakes" were born, with which I have bred this time. I also bred in 1990, 9 young were born then, two dead young and 2 non-fertilized eggs. Conditions were the same.

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