

## **Ventral Pressure Grip Forceps for Instrumental Insemination Of Queen Bees**

In the process of instrumental insemination, positioning of the queen bee and opening of the vaginal cavity requires precision and accuracy. Specific procedures must be followed to ensure success.

For the beginner the procedure can be a challenge and requires practice to acquire the skill. Learning the technique is much easier with the use of the new pressure grip ventral hook and the pressure grip sting hook.

Opening the vaginal cavity no longer presents the difficulties associated with other types of hooks. Some ventral hook designs have a tendency to slip downward, distorting the alignment and consequently make the insemination procedure very difficult.

The newly designed pressure grip ventral forceps greatly improves this aspect. Similar to the pressure grip sting forceps, the ventral forceps are made of the same high quality parts. However, the forceps are modified to address the specific needs of the ventral hook.

The ventral forceps is used in a similar manner as the sting forceps 1.05. It is designed to grip the ventral terminal segment of the abdomen securely from above. The pressure applied can be adjusted by finger tip control. When the valvelfold is bypassed to deliver the semen dose, the incidence of injury to the queen bee is reduced.

The Ventral Grip Forceps offers a new type of precision instrumentation for queen bee insemination.



The Ventral Pressure Grip Forceps, type 1.06 – a delicate precision instrument.



The modified form of the forceps of the Ventral Pressure Grip Forceps.

Peter Schley, Prof. Dr.  
Bee - Breeding - Equipments  
D-35423 Lich  
Bergstraße 40  
Telefon: (06404) 205 803  
Fax: (06404) 205 804  
E-mail: Peter.Schley@t-online.de  
Homepage: <http://www.besamungsgeraet.de>  
<http://www.instrumentelle-besamung.de>