

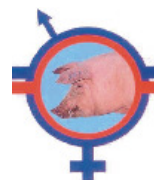
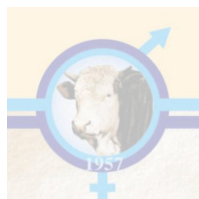


JAVNO PREDUZEĆE STOČARSKO VETERINARSKI CENTAR ZA REPRODUKCIJU I VEŠTAČKO OSEMENJAVANJE "VELIKA PLANA"

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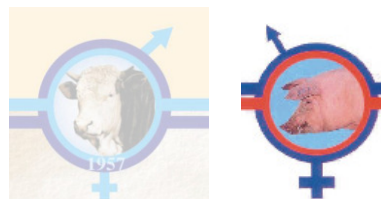
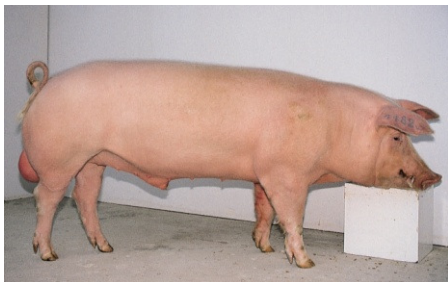


ABOUT CENTER

FOUNDED AT 14. JULI 1957

AIM:

- **GENETICALLY IMPROVEMENT**
- **IMPROVEMENT OF REPRODUCTIVE RESULTS**
- **PREVENTION OF SEX DECEASES**



PERIOD 1957- 1968

FRESH SEMEN

DISADVANTAGES:

- **SEMEN TRANSPORT**
- **SEMEN USAGE WAS CONSTRAINED**
- **SEMEN DISPERSAL**
- **THERE WAS NOT PLANNED INSEMINATION IN WHOLE COUNTRY**
- **CONCEPTION RATE WAS LOW**
- **HIGH POSSIBILITY FOR SEMEN CONTAMINATION**

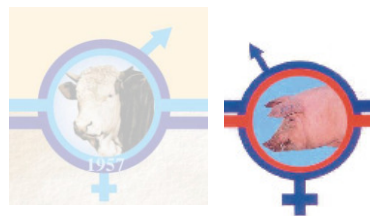
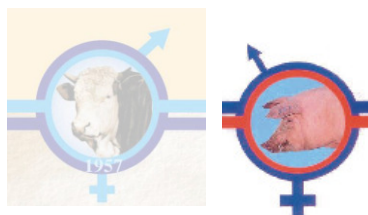


Tabela 1.

Year	Bull's number	Number of inseminated cows and heifers
1957	3	3.600
1960	30	60.000
1967	40	120.000

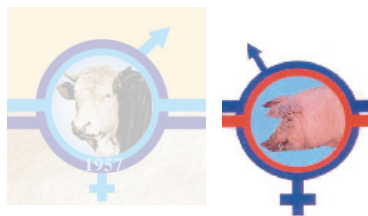


IN 1968

SEMEN CRYOPRESERVATION

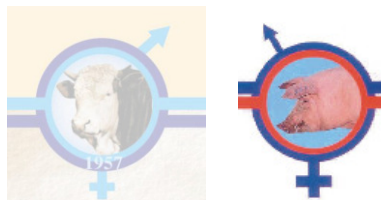
Tabela 2.

Year	Bull's number	Number of inseminated cows and heifers
1969	50	204.200
1970	55	250.000
1974	55	335.000
1997	80	400.000
2004	90	414.000



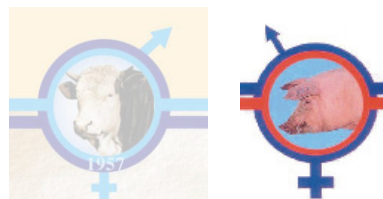
CAPACITY:

- **Performance test station for 240 calves all categories**
- **110 active bulls**
- **Semen depot with 2.500.000 doses bull semen**
- **Bull semen production over 350.000 doses per year**
- **Bull semen delivering over 350.000 doses per year**
- **Liquid nitrogen delivering over 200.000 kg per year**
- **100 active boars**
- **Boar semen delivering over 50.000 doses per year**



TECHNICAL EQUIPMENT:

- **Laboratory and equipments for bull semen quality estimation, processing and cryopreservation**
- **Laboratory and equipments for boar semen quality estimation and processing**
- **Vehicles for semen and liquid nitrogen delivering**
- **Depot with equipment for bull and boar semen keeping**
- **Equipment for all accompanying semen production procedures**
- **Stock of liquid nitrogen**

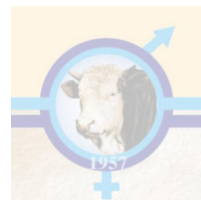


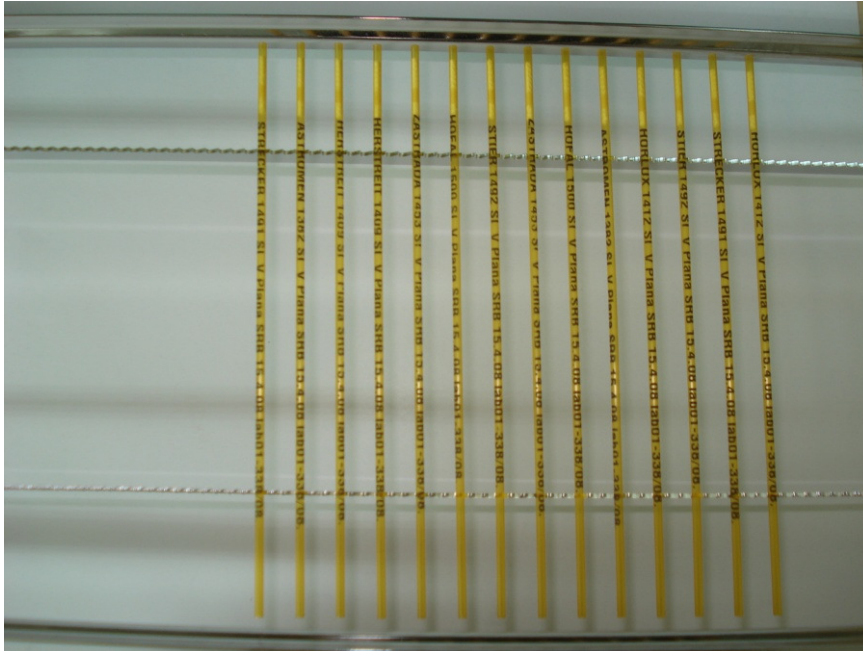


Microscop with cell counter



Printer





Mini straws



Freezing racks

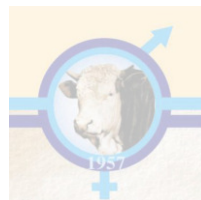




Line for semen packing



Computer system





Semen equilibration



Semen depot



A.I. CENTER PROGRAM:

• Annual semen delivering	350.000
• Number of pregnant cows and heifers	300.000
• Number of bulls in center	40-60
• Number of bull's fathers	10
• Number of bull's mothers	400
• Number of calves per bull-father	10
• Performance test of bulls	30
• Biological test of bulls	15
• Progeny test of bulls on meat	10
• Progeny test of bulls on milk	10
• Average semen production per bull	20.000



COOPERATION:

- **Ministry of Agriculture, Trade, Forestry and Water Management**
- **Agriculture Faculty- Belgrade**
- **Veterinary Faculty- Belgrade**
- **Agriculture Faculty- Novi Sad**
- **Institute for Animal Husbandry Belgrade- Zemun**



INTERNACIONAL COOPERATION:

- **Besamungsverein Neustadt a. d. Aisch, Germany**
- **Minitube, Tiefenbach, Germany**
- **Besamungstation Landshut, Germany**
- **Besamungstation Hohenzell, Austria**



SERTIFIKAT

SRPS ISO 9001 : 2008

- **Semen production**
- **Semen storage**
- **Semen delivering**
- **Biosecurity measurements in A.I. Center**
- **Facility disinfection**
- **The system of leading and keeping data**



THANK YOU!

