

EFFECT OF CELL-RATE™ ON SEMEN CONCENTRATION AND MOTILITY

The following trial was conducted with a well known and respected breeding facility in South Carolina. The purpose of the trial was to compare semen concentration and motility numbers from 2005 (no CELL-RATE™ usage) to 2006 (CELL-RATE™ usage). The supervisor of the trial was the owner of the facility. The numbers below compare 2005 to 2006 of their top stallion who had been experiencing a decline in semen concentration and motility. It should be noted that this operation does not grade motility higher than 90%. If the motility is higher than 90% it is noted at 90%+.

Collection Dates	Concentration	Motility	Progressive motile sperm	Progressive motile sperm %
2/7/05	228	75%	171	10%
2/9/05	232	75%	174	11%
2/11/05	235	75%	176.3	12%
Average	232	75%	173.7	11%
1/24/06	287	90%	258.3	23%
1/27/06	279	90%+	251.1	18%
Average	283	90%	254.7	20.5%
Increase	22%	15%	47%	9.5%

Results

It is clear that CELL-RATE™ had a positive effect on the overall quality of the semen. The stallion in question experienced a 22% increase in concentration, 15% increase in motility and an increase in progressive motile sperm %.