GRASP and GSV

1. **GRASP**: The **BEST** Tool for Measuring **ACTUAL** Genetic Strength of a Thoroughbred.

2. **GSV:** A tool for **PREDICTING** the Genetic Strength of a Thoroughbred.   The GSV score is the average of the Male and Female half GSV scores.

GRASP: "Genetic, Racing Ability and Stud Performance"

G	=Genetic: Measures performances of males & females within 5 generations, pedigree construction, tail-female line strength, etc.	25%
R A	=Racing Ability: Measures individual racing brilliance, class, earnings, blacktype events, speed vs stamina, type, etc.	25%
S P	=Stud Performance: Measures success as a sire or broodmare, % of runners, winners, SW's, 2yo winners, Average Winning Distance, etc.	50%

The **G**enetic score arrives with the foal at birth, but may change throughout its lifetime as its parents and 5 generations of ancestors do better or worse at stud as time goes by. The change can be dramatic if both parents are in the early stages of their stud career or slight if both have been in the stud a long time. Usually, the foal can not do a thing about it's **G**enetic score, but if the foal is very, very good it might have some impact on the stud career of its parents.

The **R**acing **A**bility score is earned during it's racing career and once retired does not change. The **R**acing **A**bility score can help you understand you whether the horse got its fair share of the good genes or not. The **GRA** score is a guide on how much potential there is in the horse before it produces a foal.

The **S**tud **P**erformance score is earned during the stud career of the horse and until it no longer has foals from its producing daughters racing on the track.

GSV: " Genetic Strength Value"

The GSV predicts thoroughbred performance before the foal is born based on the Genetic, Racing Ability and Stud Performance (GRASP) of all horses in its 5 generation pedigree. The GSV can change according to the recent stud performance of individuals in its pedigree and is updated yearly.

GSV is a numerical score and can be used as a hypothetical mating tool.

GSV is based on five generations of GRASP1 scores. It is a hypothetical score. The horse does not earn its GSV score. It is the score that an average hypothetical mating between a stallion and a broodmare generates.

Averages

1. The average score of all thoroughbreds in the GSV databank is 68.01.
2. The median score of all thoroughbreds in the GSV databank is 68.12.
3. The GSV average of horses at minor tracks racing around the world is 61. Those that don't get to the races throughout the world average around 59. The GSV average of horse racing at the better meetings is 65. Those that race in Group/Graded races average 70 on all surfaces. Those that race in Graded/Group Races on turf average 72.00.