

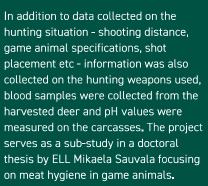
The bowhunting research collected data on the use of two different types of hunting equipment, the rifle and the hunting bow, in white-tailed deer hunting situations.

The project compares the observations made on the basis of the data collected on hunting situations with different hunting weapons and aims to form a clear picture of the differences and similarities between the hunting weapons in terms of their use and game animal behaviour.

The goal of the project was to collect data on 100 whitetailed deer hunted with a rifle and 100 white-tailed deer hunted with a bow.

The project involved approximately 100 volunteering hunters collecting the information.







Flight distance breakdown by weapon type 60 % 5n % 40 % 30 %

Flight distances in meters



hunting bows, %	
50-60 lbs	20,93
60-70 lbs	65,12
over 70 lbs	13,95

Kinetic energy of bow-	
arrow-combinations, $\%$)
40-50 J	2,3
50-60 J	7,1
60-70 J	7,1
70 00 1	110

arrow combinations,	, ,,,
40-50 J	2,38
50-60 J	7,14
60-70 J	7,14
70-80 J	11,90
80-90 J	19,05
yli 90 J	52,38
-	

Average	shot	distance,
meters		

Kille	63
Bow	17,56

Average flight distance*, meters	
Rifle	5

L	ite	33,0	U
Bo	ow	55,3	<u>1</u>
* }	lits immediately	immobilizing	the d

excluded from calculations

Missed	hits*.	%

,	Misplaced_hit	s Not recovered
Rifle	6,60	0,00
Bow	6,30	2,36

^{*} Both entering and exiting wounds in intestines or legs



The project is facilitated by the Finnish Bowhunters' Association and funded by the Finnish Ministry of Agriculture and Forestry.

