

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
 Wildlife Division Report No. 2877  
 September 1980

ESTIMATES OF 1979 DEER HUNTERS WHO KILLED TWO DEER -  
 ONE WITH BOW AND ARROW AND ONE WITH FIREARM\*

by L. A. Ryel

INTRODUCTION

In 1977, a new law allowed a hunter to kill a deer (*Odocoileus virginianus*) during both the firearm deer season and the bow and arrow deer season. In order to obtain some information on the number of hunters who managed to kill two deer, we included a question on the bow hunters' survey questionnaire in each of the past three years. The question used in 1979 was: "Was YOUR FIREARM kill tag used on a deer? Yes  No .

RESULTS

Original data: a total of 163 hunters reported that they tagged a deer in each season.

Mail survey	License sales	Mail survey responses	Reported data		
			Bow hunters	Bow season kill	Both bow and gun season kills
Regular Bow and arrow**	335,660	6,447	4,147	492	163
Military	1,426	190	37	3	0
Total	337,086	6,637	4,184	495	163

\*\*Includes resident bow and arrow, non-resident bow and arrow, senior resident bow and arrow, sportsman's, and senior sportsman's licenses. Those hunters purchasing the first three of these licenses also had to obtain a firearm deer license to be able to hunt during the firearm season.

ESTIMATED HUNTERS KILLING TWO DEER

Regular bow and arrow licenses	$\frac{163}{492} \times 25,615 = 8,486$
Military licenses	$\frac{0}{3} \times 22 = 0$
Total estimated hunters	8,486

\*A contribution of Federal Aid in Fisheries and Wildlife Restoration, Michigan Project FW-3-R.

Data for the three years have been quite similar. In 1979, about one-third of successful archers also killed a deer with a gun.

<u>Year</u>	<u>Estimated hunters</u>	<u>Estimated total kill with bow and arrow</u>	<u>Estimated persons killing deer with bow and gun</u>	<u>Percent of successful archers</u>
1977	176,760	21,190	5,990	28.3
1978	205,700	25,130	7,240	28.8
1979	216,190	25,640	8,490	33.1