

MICHIGAN DEPARTMENT OF NATURAL RESOURCES  
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## ESTIMATES OF 1979 DEER HUNTERS WHO KILLED TWO DEER - ONE WITH BOW AND ARROW AND ONE WITH FIREARM\*

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### 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.

<u>Mail survey</u>	<u>License sales</u>	<u>Mail survey responses</u>	<u>Reported data</u>		
			<u>Bow hunters</u>	<u>Bow season kill</u>	<u>Both bow and gun season kills</u>
Regular Bow and arrow**	335,660	6,447	4,147	492	163
Military	<u>1,426</u>	<u>190</u>	<u>37</u>	<u>3</u>	<u>0</u>
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	$\frac{0}{3} \times 22 = \underline{0}$
Total estimated hunters	8,486

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

Year	Estimated hunters	Estimated total kill with bow and arrow	Estimated persons killing deer with bow and gun	Percent of successful archers
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