

CROSSBOW ARROW TRAJECTORY

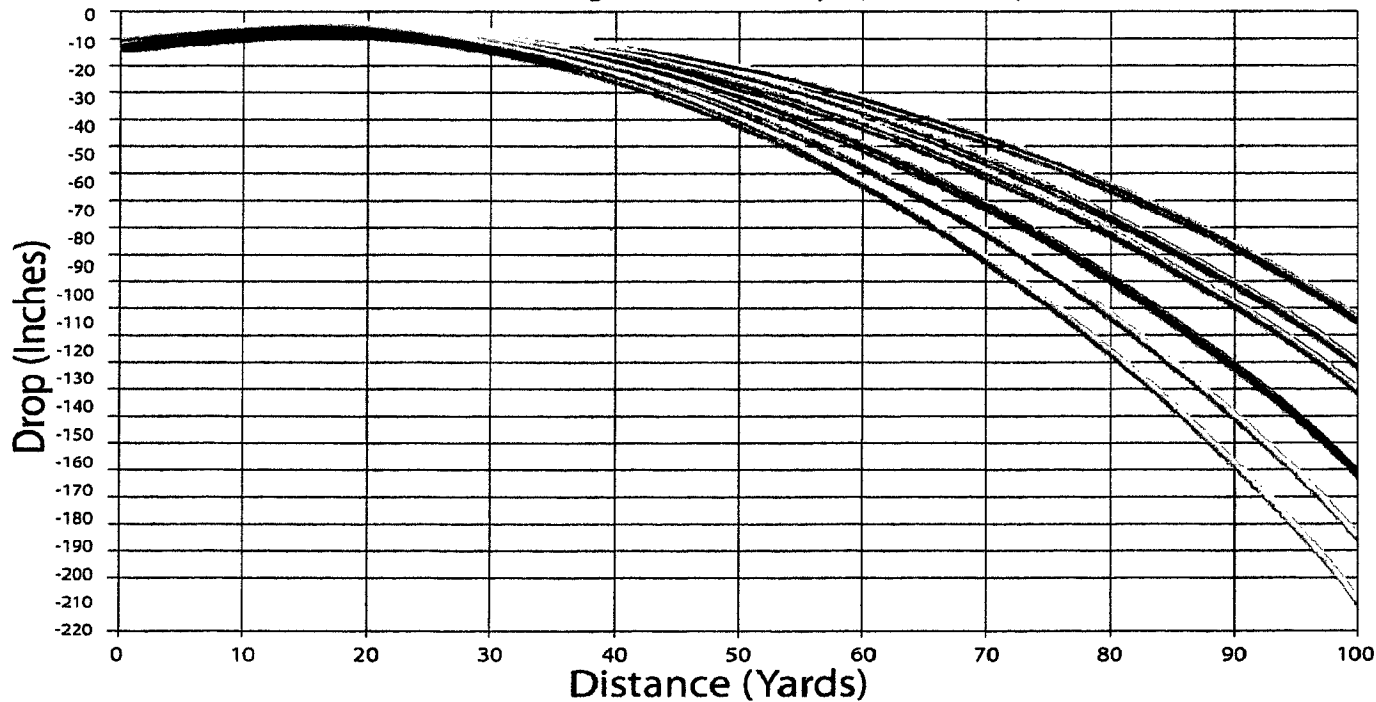
ARROW TRAJECTORY (TOTAL INCHES OF DROP.)

ARROW SPECIFICATIONS

20" LONG - FLETCHING 4" LONG - 1/2" HIGH

435 GRAIN ARROW - .343 DIAMETER SHAFT

Crossbows are sighted in for a 20yd point of impact



Numbers below represent Feet per Second

366
 342
 330
 300
 285
 270

SUMMARY: Given the typical yardage/range that deer are shot at, hunters using a vertical bow or crossbow have relatively an equal chance of successfully hitting the deer due to the similar shooting characteristics of their respective equipment. This is clearly outlined in the ballistics comparison chart to the right that visually displays the amount of drop an arrow experiences over specific yardages. The "drop" is essentially the same for either an arrow from a vertical bow or crossbow.



CROSSBOWS VS. VERTICAL BOWS

ARROW TRAJECTORY (TOTAL INCHES OF DROP.)

Mfg-Model (FPS/Arrow Grain)	10Yds	20Yds	30Yds	40Yds	50Yds
Compound Bows at 60 Pound Draw Weight					
Bear - Truth (314/350)	-2	-7	-17	-31	-49
*PSE-X Force Omen (366/350)	-2	-6	-12	-22	-36
APA-Black Mamba (345/350)	-1	-6	-14	-25	-41
Mathews-Monster (360/350)	-1	-6	-13	-23	-37
Hoyt-Vectrix (316/350)	-2	-7	-17	-31	-49
Crossbows at Draw Weight as Labeled					
Horton-Hunter HD 175 (320/406)	-2	-7	-16	-29	-47
Ten Point-Phantom 185 (343/420)	-1	-6	-14	-26	-41
Excalibur-Equinox 225 (350/350)	-1	-6	-14	-25	-39
Parker-Saf.Mag.HP 175 (340/420)	-1	-6	-15	-26	-43
**Bowtech-Stryker 175 (405/425)	-1	-5	-10	-18	-29
Barnett-Predator 175 (377/425)	-1	-5	-12	-22	-34

* Fastest Vertical Compound Bow ** Fastest Crossbow (Difference at 50 yards: 7")