

8/24/2005 8:34:20 PM

Input Data

Firearm Data:
 Remington Arms Co., Inc.
 700 BDL
 .270 Winchester
 Zero Range (yd): 200 Vital Zone Radius (in): 4.0
 Sight Height (in): 1.50 Sight Offset (in): 0.00
 Zero Height (in): 1.50 Zero Offset (in): 0.00

Load/Lot Data:
 Summary:
 Target Load
 Date Loaded: 6/28/2005 Date Fired: 6/28/2005

Powder: Dupont IMR-7828
 Lot: Weight (gn): 61.0

Primer: Federal 205M
 Lot:

Case: Remington
 Lot:
 Length (in): 0.100 Loaded Length (in): 0.000
 Muzzle Velocity
 Average (f/s): 2900.0 Standard Deviation (f/s): 10.0

Atmospheric Conditions:
 Temperature (°F): 39.0 Pressure (in Hg): 29.92
 Humidity (%): 50.0 Altitude (ft): 0
 Sound Speed (f/s): 1094.7 Density (% sea level): 103.5

Bullet Data:
 Caliber (in): 0.277 Weight (gn): 130
 Drag Function: G1 Sectional Density (lbs/in³): 0.242
 Manufacturer: Speer
 Description: Grand Slam

Ballistic Coefficients:
 Vel. BC
 0.0 0.345

Options:
 Line of Sight (°): 0.0 Cant (°): 0.0
 Wind Variation (%): 0.0 Target Speed (mph): 0.0

Wind Profile:
 c:\aaa_wdt_\ot30\wind\left10.wmd

Output Data

Azimuth (moa): 1.91 Elevation (moa): 6.00
 Azimuth Change (moa): -0.39 Elevation Change (moa): -0.44
 Maximum Drop (in): 2.8 Minimum Drop (in): -444.5
 Maximum Windage (in): 1.0 Minimum Windage (in): -132.8

Range (yd)	Vel (f/s)	Energy (f-lb)	Momentum (lb-s)	Drop (in)	Wind (in)	Time (sec)	Lead (in)
0	2900.0	2427.1	1.67	-1.5	0.0	0.000	0.0
50	2757.6	2194.5	1.59	1.1	0.8	0.053	0.0
100	2619.8	1980.7	1.51	2.5	1.0	0.109	0.0
150	2486.4	1784.2	1.44	2.7	0.8	0.168	0.0
200	2357.4	1603.9	1.36	1.5	0.0	0.230	0.0
250	2232.7	1438.7	1.29	-1.3	-1.4	0.295	0.0
300	2111.6	1286.8	1.22	-5.9	-3.5	0.364	0.0
350	1993.8	1147.3	1.15	-12.4	-6.2	0.437	0.0
400	1880.1	1020.1	1.09	-21.1	-9.8	0.515	0.0
450	1770.7	904.9	1.02	-32.3	-14.1	0.597	0.0
500	1665.9	800.9	0.96	-46.3	-19.4	0.684	0.0
550	1565.9	707.7	0.90	-63.4	-25.7	0.777	0.0
600	1471.4	624.8	0.85	-84.0	-33.0	0.876	0.0
650	1382.9	551.9	0.80	-108.7	-41.4	0.981	0.0
700	1301.7	489.0	0.75	-138.0	-51.0	1.093	0.0
750	1228.3	435.4	0.71	-172.4	-61.8	1.212	0.0
800	1162.5	390.0	0.67	-212.6	-73.8	1.337	0.0
850	1106.9	353.6	0.64	-259.2	-87.0	1.470	0.0
900	1060.1	324.3	0.61	-313.0	-101.3	1.608	0.0
950	1020.2	300.4	0.59	-374.5	-116.6	1.752	0.0
1000	985.8	280.4	0.57	-444.5	-132.8	1.902	0.0