

## ACCURACY AND CHRONOGRAPH DATA

### **Winchester USA 357 Mag. 125-gr. WinClean**

	<b>Ruger New Vaquero</b>	<b>Heritage Rough Rider</b>	<b>Cimarron Evil Roy</b>
Average Velocity	1362 fps	1354 fps	1377 fps
Standard Deviation	25 fps	20 fps	25 fps
Muzzle Energy	515 ft.-lbs.	509 ft.-lbs.	526 ft.-lbs.
Smallest Group	3.8 in.	2.5 in.	1.8 in.
Largest Group	6.0 in.	3.8 in.	5.2 in.
Average Group	4.9 in.	3.2 in.	3.3 in.

### **Black Hills 38 Sp. 158-gr. Cowboy Action**

	<b>Ruger New Vaquero</b>	<b>Heritage Rough Rider</b>	<b>Cimarron Evil Roy</b>
Average Velocity	747 fps	753 fps	782 fps
Standard Deviation	11 fps	13 fps	20 fps
Muzzle Energy	196 ft.-lbs.	199 ft.-lbs.	214 ft.-lbs.
Smallest Group	2.8 in.	2.4 in.	2.8 in.
Largest Group	3.8 in.	4.5 in.	3.7 in.
Average Group	3.2 in.	3.6 in.	3.3 in.

### **Winchester USA 38 Sp. 125-gr. +P**

	<b>Ruger New Vaquero</b>	<b>Heritage Rough Rider</b>	<b>Cimarron Evil Roy</b>
Average Velocity	1049 fps	1052 fps	1079 fps
Standard Deviation	21 fps	18 fps	20 fps
Muzzle Energy	305 ft.-lbs.	307 ft.-lbs.	323 ft.-lbs.
Smallest Group	2.3 in.	2.8 in.	1.6 in.
Largest Group	6.4 in.	3.6 in.	2.2 in.
Average Group	4.7 in.	3.3 in.	1.9 in.

*To collect bench-accuracy data for all three pistols, we fired five five-shot groups with each ammunition. We used sandbags to support the gun frame as well as the shooters' hands and forearms. Distance: 10 yards. We recorded velocities using a Competitive Edge Dynamics M2 chronograph (Brownells, \$200), with the first screen set 12 feet from the muzzle. Velocities were recorded with an air temperature of 75 degrees with 54% humidity. Elevation: 541 feet. Wind conditions: 15-20 mph variable from 5 to 7 o'clock. Light conditions: bright shade. Accuracy is the average group size for five-shot groups, measured center-to-center of the widest-apart bullet holes in each group. To measure the group sizes, we scanned the targets into Photoshop CS5, then used the Ruler tool to measure and round the results to the nearest tenth of an inch.*