

5-27-05

Review #1

Cumberland Rifle Range, NJ

600yard line

Test and Evaluation of LevelGrouse Anti-Cant Device

Rifle-Rem 40X, .308 win, 3.5-10x40 LR M1 Leoupold, McMillan A1 stock

Support-Harris Bipod with swivel, rear bag

Ammo-175 MK, 44.5 gr Varget, CCI BR2 primer, Lapua Brass

Weather- 80degrees, sunny, wind 11mph full value-gusty

Today I tested the Level Grouse anti-cant device. Having never used an anti-cant device before, I was skeptical of it having any effect. After the results today I think it does have a place on a rifle under certain circumstances.

Here is my test.

I first shot 5 rounds at 600 yards prone WITHOUT using the Level Grouse. Here is the group.



Next I shot a 5 round group at 600 yards USING the Level Grouse. Here is the group.



My next 5 round group was shot while canting my rifle as far as the swivel on my Harris bipod would let me. When I went down to check the group I found that all 5 rounds were

absent from the target. I could not find them. I went back and refired the same position and got the same results. Here is a picture of the cant I had on the rifle



I had some problems seeing the LED's due to the way the sun was reflecting off of the LevelGrouse. I had to cup my offhand over the top of the unit to get enough shadow to see the lights. I stopped shooting testing and resumed 2 hours later.

My next group was a 10 round string WITHOUT using the Level Grouse. Here is the group. One shot got away from me and I dropped it in the 8 ring. It felt like a good shot but....



My next 10 shot group was shot USING the Level Grouse. Here is the group.



The first 2 five round groups were shot on a 200 yard High Power target with a 7 inch Ten Ring. The 2 ten round groups were shot on a 600 yard High Power target with a 12 inch Ten Ring.

So what did I learn from this first test of the Level Grouse. My groups were better while using the Level Grouse than they were without. I thought it was going to be hard to keep the rifle level while looking at these blinking lights. It wasn't that hard at all and once I had the rifle leveled it was easy to keep it there as I lined up the crosshairs and tried to read the mirage. The lights actually look like they are superimposed inside the bottom of the scope while viewing with both eyes open. When I closed my non-aiming eye slightly the lights were absent from the scope. It was interesting to see that when I had the scope leveled using the Level Grouse my crosshairs looked like they were leaning a little to the left. This can be attributed to the device not being level when mounted or simply my eyeball likes seeing a little right lean to my crosshairs. You can see in the ten shot strings that the group with the Level Grouse is left of center and the group shot without it is centered.

I don't know yet if the cant of my rifle made the groups bigger or that when I used the Level Grouse I concentrated more. I will continue to evaluate this device.

I'm not an engineer and I don't know everything about shooting rifles. I'm just a guy that enjoys shooting.

Kevin J. Drake