

AMOUNT OF WIND DRIFT

dear technoid

reading your articles for many years.

my question is what will be the influence of cross wind say 30 miles per hour on the point of impact of skeet no 9 (2 mm) shot at 20 yards. initial velocity is high (1350 fps)

thanks

doron

Dear Doron,

Nice to hear from you again. I don't have any figures for 30 mph winds, but I do have some for 10 mph.

A 7/8 oz load of #9 with a muzzle velocity of 1350 fps will drift 2.5 inches in a 10 mph cross wind at 20 yards. It will also drop .5 inches at that 20 yard distance. Remember, this is across wind. One of less than 90 degrees will deflect the target less.

Here are the drifts and drops for #9s at 1350 fps at varying distances

20 yards	2.5" drift	.5" drop
30 yards	5.7" drift	1.4" drop
40 yards	10.3" drift	2.9" drop

This is a good question so I'll post it on the website. Because of that I'll add some figures for a load of #7-1/2s started at 1200 fps for the sporting clays shooters.

Same 10 mph 90 degree cross wind, one ounce of #7-1/2s at 1200 fps muzzle velocity.

20 yards	2.1" drift	.6" drop
30 yards	4.8" drift	1.5" drop
40 yards	8.6" drift	3.1" drop
50 yards	13.7" drift	5.5" drop
60 yards	20.2" drift	8.9" drop
70 yards	28.2" drift	13.8" drop

It all really makes you wonder where you have to aim in those 100 yard re-entry side events some shoots have.

One thing to remember when considering how you would compensate for this is that it pays to think about how much the wind is moving the target at the same time it is moving the shot.

Best regards,

Bruce Buck
Shotgun Report's Technoid