

Formulas

WIND - MIRAGE CHART

NO WIND 1-3 MPH 4-7 MPH 8-12 MPH

$\frac{\text{Angle}}{4} = \text{MPH}$

$\frac{60}{4} = 15$

Range (100s) x Velocity (mph) = MILS

Constant
(7.62mm, 175gr @ 2600 fps)

100 - 500 yds	= 53
600 yrd	= 49
700 - 800 yds	= 46
900 yds	= 42
1000 yds	= 39

Simple Method

.25 mil per 100yds @ 10mph

Wind Effects

0-3 Hardly felt on face
3-5 Lightly felt on face
5-8 Tree leaves in motion
8-12 Raises dust and paper
12-15 Small trees sway
15-20 Larger trees sway

Yards	M/Yd	Meters
1.0936	1	0.9144

MIL	MIL/MOA	MOA
1.00	1	3.4 38

Humidity Effects

Humidity up = impact down
 Humidity down = impact up

Rule of Thumb:
20% = ~1moa affect on POI

Common Measurements

Exterior Door = 36" x 80"
 55gal Barrel = 12" x 15"
 5gal Bucket = 12" x 8"
 Cinder Block = 8" x 2"
 License Plate = 12" x 6"
 Door Knob = 3"

Target Sz Inches x 27.77 = YARDS

Mil Reading of Target

USMC (not to scale)

Slope Dope

Angle	10°	20°	30°	40°	50°	60°	70°	80°	90°
COS	.98	.94	.85	.75	.65	.50	.35	.20	.0

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