

Troyer System, Rifle - Courtesy of Central Texas Airgun Club (CTAC)

Target Difficulty Rating					Difficulty Factors		Course Difficulty Rating				
Easy	Moderate	Hard	Expert	Illegal	Shots past 45 yards ^{Note}	0.125	Easy	Moderate	Hard	Expert	Illegal
0 to <20	20 to <30	30 to <40	40 to 50	Over 50	Extreme Light or Dark	0.25	0 to <25	25 to <30	30 to <34	34 to 36	Over 36
Note: The "Shots past 45 yards" factor is applied on this sheet.					Extreme Up or Down	0.25	Course Difficulty Rating = Average of target difficulty ratings				
					Windy	0.25					
					Kneeling	0.5					
					Standing	0.75					

Target Difficulty Rating = (Target Distance / Kill Zone Size) * (1 + Difficulty Factors)

Yards	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	1 7/8	2
10	26.7	20.0	16.0	13.3	11.4	10.0	8.9	8.0	7.3	6.7	6.2	5.7	5.3	5.0
11	29.3	22.0	17.6	14.7	12.6	11.0	9.8	8.8	8.0	7.3	6.8	6.3	5.9	5.5
12	32.0	24.0	19.2	16.0	13.7	12.0	10.7	9.6	8.7	8.0	7.4	6.9	6.4	6.0
13	34.7	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	7.4	6.9	6.5
14	37.3	28.0	22.4	18.7	16.0	14.0	12.4	11.2	10.2	9.3	8.6	8.0	7.5	7.0
15	40.0	30.0	24.0	20.0	17.1	15.0	13.3	12.0	10.9	10.0	9.2	8.6	8.0	7.5
16	42.7	32.0	25.6	21.3	18.3	16.0	14.2	12.8	11.6	10.7	9.8	9.1	8.5	8.0
17	45.3	34.0	27.2	22.7	19.4	17.0	15.1	13.6	12.4	11.3	10.5	9.7	9.1	8.5
18	48.0	36.0	28.8	24.0	20.6	18.0	16.0	14.4	13.1	12.0	11.1	10.3	9.6	9.0
19	50.7	38.0	30.4	25.3	21.7	19.0	16.9	15.2	13.8	12.7	11.7	10.9	10.1	9.5
20	53.3	40.0	32.0	26.7	22.9	20.0	17.8	16.0	14.5	13.3	12.3	11.4	10.7	10.0
21	56.0	42.0	33.6	28.0	24.0	21.0	18.7	16.8	15.3	14.0	12.9	12.0	11.2	10.5
22	58.7	44.0	35.2	29.3	25.1	22.0	19.6	17.6	16.0	14.7	13.5	12.6	11.7	11.0
23	61.3	46.0	36.8	30.7	26.3	23.0	20.4	18.4	16.7	15.3	14.2	13.1	12.3	11.5
24	64.0	48.0	38.4	32.0	27.4	24.0	21.3	19.2	17.5	16.0	14.8	13.7	12.8	12.0
25	66.7	50.0	40.0	33.3	28.6	25.0	22.2	20.0	18.2	16.7	15.4	14.3	13.3	12.5
26	69.3	52.0	41.6	34.7	29.7	26.0	23.1	20.8	18.9	17.3	16.0	14.9	13.9	13.0
27	72.0	54.0	43.2	36.0	30.9	27.0	24.0	21.6	19.6	18.0	16.6	15.4	14.4	13.5
28	74.7	56.0	44.8	37.3	32.0	28.0	24.9	22.4	20.4	18.7	17.2	16.0	14.9	14.0
29	77.3	58.0	46.4	38.7	33.1	29.0	25.8	23.2	21.1	19.3	17.8	16.6	15.5	14.5
30	80.0	60.0	48.0	40.0	34.3	30.0	26.7	24.0	21.8	20.0	18.5	17.1	16.0	15.0
31	82.7	62.0	49.6	41.3	35.4	31.0	27.6	24.8	22.5	20.7	19.1	17.7	16.5	15.5
32	85.3	64.0	51.2	42.7	36.6	32.0	28.4	25.6	23.3	21.3	19.7	18.3	17.1	16.0
33	88.0	66.0	52.8	44.0	37.7	33.0	29.3	26.4	24.0	22.0	20.3	18.9	17.6	16.5
34	90.7	68.0	54.4	45.3	38.9	34.0	30.2	27.2	24.7	22.7	20.9	19.4	18.1	17.0
35	93.3	70.0	56.0	46.7	40.0	35.0	31.1	28.0	25.5	23.3	21.5	20.0	18.7	17.5
36	96.0	72.0	57.6	48.0	41.1	36.0	32.0	28.8	26.2	24.0	22.2	20.6	19.2	18.0
37	98.7	74.0	59.2	49.3	42.3	37.0	32.9	29.6	26.9	24.7	22.8	21.1	19.7	18.5
38	101.3	76.0	60.8	50.7	43.4	38.0	33.8	30.4	27.6	25.3	23.4	21.7	20.3	19.0
39	104.0	78.0	62.4	52.0	44.6	39.0	34.7	31.2	28.4	26.0	24.0	22.3	20.8	19.5
40	106.7	80.0	64.0	53.3	45.7	40.0	35.6	32.0	29.1	26.7	24.6	22.9	21.3	20.0
41	109.3	82.0	65.6	54.7	46.9	41.0	36.4	32.8	29.8	27.3	25.2	23.4	21.9	20.5
42	112.0	84.0	67.2	56.0	48.0	42.0	37.3	33.6	30.5	28.0	25.8	24.0	22.4	21.0
43	114.7	86.0	68.8	57.3	49.1	43.0	38.2	34.4	31.3	28.7	26.5	24.6	22.9	21.5
44	117.3	88.0	70.4	58.7	50.3	44.0	39.1	35.2	32.0	29.3	27.1	25.1	23.5	22.0
45	120.0	90.0	72.0	60.0	51.4	45.0	40.0	36.0	32.7	30.0	27.7	25.7	24.0	22.5
46	138.0	103.5	82.8	69.0	59.1	51.8	46.0	41.4	37.6	34.5	31.8	29.6	27.6	25.9
47	141.0	105.8	84.6	70.5	60.4	52.9	47.0	42.3	38.5	35.3	32.5	30.2	28.2	26.4
48	144.0	108.0	86.4	72.0	61.7	54.0	48.0	43.2	39.3	36.0	33.2	30.9	28.8	27.0
49	147.0	110.3	88.2	73.5	63.0	55.1	49.0	44.1	40.1	36.8	33.9	31.5	29.4	27.6
50	150.0	112.5	90.0	75.0	64.3	56.3	50.0	45.0	40.9	37.5	34.6	32.1	30.0	28.1
51	153.0	114.8	91.8	76.5	65.6	57.4	51.0	45.9	41.7	38.3	35.3	32.8	30.6	28.7
52	156.0	117.0	93.6	78.0	66.9	58.5	52.0	46.8	42.5	39.0	36.0	33.4	31.2	29.3
53	159.0	119.3	95.4	79.5	68.1	59.6	53.0	47.7	43.4	39.8	36.7	34.1	31.8	29.8
54	162.0	121.5	97.2	81.0	69.4	60.8	54.0	48.6	44.2	40.5	37.4	34.7	32.4	30.4
55	165.0	123.8	99.0	82.5	70.7	61.9	55.0	49.5	45.0	41.3	38.1	35.4	33.0	30.9

Illegal targets at AAFTA Grand Prix matches: Distance > 45 yds and KZ < 1 1/2 in