

Sheet1

Some 24 gram patterning runs. . .

Abbreviations and notes:

- AAHS = Winchester HS hull
- W209 = Winchester 209 primer
- 209P = Remington 209P primer
- HS = IMR Hi-Skor 700X powder
- CD = Alliant Clay Dot powder
- PR = Alliant PROMO powder
- CB1100-12 = Claybuster PINK wad

Powder data from the respective manufacturers and exact charge-adjusted as needed to the following:

- A 30 yard shell was chronograph confirmed at 1280 feet per second velocity
- A 35 yard shell was chronograph confirmed at 1315 feet per second velocity

All shot was high antimony and carefully selected for true size and excellent grading.

The summation percentage figure followed by +/- figure is an indication of load consistency: as 90 +3/-3. 30 yard values lower than +4/-4 are very good and not often seen. H1: the number of 90 mm holes in the 24" circle. H2: number of holes in the 20" circle. H1 and H2 evaluate how wide the effective pattern is. The lower the value, the better. H1 and H2 are measures of a pattern's uniformity.

30 Yard Tests:

AA HS Red, W209, HS, Lot 2, 365 gr Rem 8's, bag "0" 334 30 yds .025 Seminole CB 1100-12
Test 7A

	10	20	total	24	total	%	H1	H2
1	121	138	259	38	297	88.92	3	0
2	105	145	250	47	297	88.92	1	1
3	135	129	264	37	301	90.12	4	0
4	117	145	262	46	308	92.22	4	0
5	166	116	282	30	312	93.41	7	1
6	102	157	259	38	297	88.92	3	1
7	149	145	294	28	322	96.41	4	0
8	138	132	270	30	300	89.82	4	0
9	112	142	254	50	304	91.02	2	1
10	136	140	276	40	316	94.61	5	0
11	139	147	286	30	316	94.61	5	0
12	120	167	287	27	314	94.01	3	0
13	125	144	269	31	300	89.82	3	0
14	111	156	267	37	304	91.02	2	0
15	134	148	282	31	313	93.71	6	1
	127.33	143.40	270.73	36.00	306.73	91.84	3.73	0.33
						92 +3/-3		
1st five	128.8	134.6	263.4	39.6	303	90.72	3.8	0.4
1st ten	128.1	138.9	267	38.4	305.4	91.44	3.7	0.4

Sheet1

AA HS Red, W209, HS, Lot 2, 365 gr Rem 8's , bag "0" 334 30 yds 0.030 Seminole
Test 8A

		10	20	total	24	total	%	H1	H2
CB	1	147	135	282	31	313	93.71	5	1
1100-12	2	121	160	281	30	311	93.11	3	0
	3	130	142	272	40	312	93.41	4	1
	4	114	151	265	47	312	93.41	2	0
	5	123	149	272	39	311	93.11	3	0
	6	111	145	256	41	297	88.92	4	1
	7	0	0	0	0	0	0.00	0	0
	8	140	149	289	30	319	95.51	4	0
	9	146	151	297	29	326	97.60	4	1
	10	124	148	272	42	314	94.01	4	2
	11	120	167	287	32	319	95.51	7	0
	12	124	132	256	52	308	92.22	3	0
	13	135	144	279	36	315	94.31	7	2
	14	130	146	276	37	313	93.71	5	3
	15	95	158	253	46	299	89.52	2	1
		125.71	148.36	274.07	38.00	312.07	93.43	4.07	0.86
							93 +5/-4		
1st five		127	147.4	274.4	37.4	311.8	93.35	3.4	0.4
1st ten		128.44	147.78	276.22	36.56	312.78	93.65	3.67	0.67

AA HS Red, W209, PR, 365 gr Rem 8's , bag "0" 334 30 yds .025 Seminole CB 1100-12
Test 11A

		10	20	total	24	total	%	H1	H2
	1	132	146	278	39	317	94.91	1	0
	2	140	145	285	32	317	94.91	5	1
	3	146	135	281	32	313	93.71	5	1
	4	150	140	290	28	318	95.21	4	0
	5	119	159	278	26	304	91.02	3	0
	6	124	166	290	30	320	95.81	2	0
	7	113	148	261	43	304	91.02	3	0
	8	110	158	268	31	299	89.52	2	0
	9	117	167	284	30	314	94.01	2	0
	10	0	0	0	0	0	0.00	0	0
	11	107	181	288	31	319	95.51	3	1
	12	116	143	259	39	298	89.22	4	1
	13	155	144	299	26	325	97.31	5	1
	14	144	133	277	35	312	93.41	4	0
	15	143	124	267	31	298	89.22	5	2
		129.71	149.21	278.93	32.36	311.29	93.20	3.43	0.5
							93 +4/-4		

Sheet1

AA HS Red, W209, Clay Dot, 365 gr Rem 8's , bag "0" 334 30 yds .025 Seminole CB 1100-12

Test 13A

	10	20	total	24	total	%	H1	H2
1	148	134	282	24	306	91.62	5	0
2	109	146	255	44	299	89.52	2	0
3	140	150	290	18	308	92.22	5	1
4	144	144	288	23	311	93.11	4	0
5	139	142	281	30	311	93.11	3	0
6	104	150	254	39	293	87.72	1	0
7	124	129	253	36	289	86.53	4	0
8	99	141	240	49	289	86.53	2	0
9	111	141	252	40	292	87.43	1	0
10	115	159	274	38	312	93.41	3	0
11	111	144	255	39	294	88.02	3	1
12	111	149	260	44	304	91.02	1	1
13	113	150	263	45	308	92.22	5	2
14	93	159	252	46	298	89.22	2	1
15	120	159	279	29	308	92.22	2	0
	118.73	146.47	265.20	36.27	301.47	90.26	2.87	0.40
						90 +3/-3		
1st five	136	143.2	279.2	27.8	307	91.92	3.8	0.2
1st ten	123.3	143.6	266.9	34.1	301	90.12	3	0.1

AA HS Red, W209, Clay Dot, 365 gr Rem 8's , bag "0" 334 30 yds .030 Seminole CB 1100-12

Test 15A

	10	20	total	24	total	%	H1	H2
1	125	165	290	32	322	96.41	3	0
2	143	132	275	32	307	91.92	6	1
3	118	138	256	36	292	87.43	4	0
4	131	143	274	32	306	91.62	7	1
5	108	147	255	39	294	88.02	3	0
6	135	129	264	33	297	88.92	2	0
7	116	163	279	42	321	96.11	1	0
8	108	143	251	49	300	89.82	4	0
9	143	113	256	35	291	87.13	4	1
10	86	157	243	46	289	86.53	4	0
11	100	133	233	55	288	86.23	4	0
12	132	140	272	36	308	92.22	4	0
13	86	166	252	33	285	85.33	4	1
14	109	159	268	46	314	94.01	4	0
15	125	150	275	31	306	91.62	4	0
	117.67	145.20	262.87	38.47	301.33	90.22	4.00	0.27
						90 +4/-4		
1st five	125	145	270	34.2	304.2	91.08	4.6	0.4
1st ten	121.3	143	264.3	37.6	301.9	90.39	3.8	0.3

Sheet1

STS, 209P, Clay Dot, 365 gr Rem 8's , bag "0" 334 30 yds 0.025 Seminole CB1100-12

Test 16A

	10	20	total	24	total	%	H1	H2
1	117	127	244	40	284	85.03	4	0
2	123	138	261	30	291	87.13	4	0
3	116	148	264	39	303	90.72	2	0
4	112	169	281	36	317	94.91	2	0
5	95	134	229	64	293	87.72	3	2
6	135	123	258	35	293	87.72	3	0
7	119	141	260	28	288	86.23	2	1
8	110	120	230	37	267	79.94	2	0
9	125	143	268	26	294	88.02	7	0
10	135	124	259	34	293	87.72	1	0
11	120	132	252	34	286	85.63	3	0
12	115	133	248	26	274	82.04	3	0
13	97	127	224	38	262	78.44	4	2
14	139	124	263	28	291	87.13	4	1
15	94	141	235	41	276	82.63	4	0
	116.80	134.93	251.73	35.73	287.47	86.07	3.20	0.40
						86 +9/-9		
1st five	112.6	143.2	255.8	41.8	297.6	89.10	3	0.4
1st ten	118.7	136.7	255.4	36.9	292.3	87.51	3	0.3

A little test: are the expensive powders worth their price?

	10	20	total	24	total	%	H1	H2
Test 1: HS	127.33	143.40	270.73	36.00	306.73	92 +3/-3	3.73	0.33
Test 3: PR	129.71	149.21	278.93	32.36	311.29	93 +4/-4	3.43	0.50
Test 5: CD	117.67	145.20	262.87	38.47	301.33	90 +4/-4	4.00	0.27

In the test above, the inexpensive PROMO had the tightest pattern with very good uniformity figures.

35 Yard second barrel tests:

Two factory shells tested at 35 yards:

Done 8/21/09 at 35 yards, dead calm, 42 points fixed Perazzi full choke

Test 20B

AA Lot # 10W1BC26

Chron = 1350

Bought at the Nationals

Sheet1

	10	20	total	24	total	%	H1	H2
1	67	106	173	46	219	77.39	4	1
2	81	115	196	42	238	84.10	4	1
3	71	113	184	40	224	79.15	4	1
4	88	103	191	32	223	78.80	4	1
5	87	105	192	38	230	81.27	5	1
6	68	97	165	50	215	75.97	2	0
7	74	132	206	33	239	84.45	3	1
8	73	121	194	39	233	82.33	5	1
9	77	135	212	36	248	87.63	4	1
10	82	106	188	42	230	81.27	3	0
11	52	115	167	43	210	74.20	5	1
12	67	121	188	30	218	77.03	5	0
13	92	126	218	30	248	87.63	3	0
14	49	134	183	47	230	81.27	4	0
15	76	114	190	34	224	79.15	4	0
	73.6	116.2	189.8	38.8	228.6	80.78	3.6875	0.5625
						81 +7/-7		
1st five	78.8	108.4	187.2	39.6	226.8	80.14	4.2	1
1st ten	76.8	113.3	190.1	39.8	229.9	81.24	3.8	0.8

Winchester AA bunker loads always pattern with the very best.

Fiocchi done with the same 42 points Perazzi fixed full choke

Fiocchi Blue line hull, Lot #0519887003

Chrono = 1304

Test 21B

	10	20	total	24	total	%	H1	H2
1	70	118	188	46	234	75	5	0
2	87	114	201	50	251	80.45	3	1
3	92	116	208	41	249	79.81	3	1
4	85	124	209	30	239	76.60	1	0
5	63	117	180	44	224	71.79	3	0
6	78	116	194	42	236	75.64	5	2
7	88	117	205	45	250	80.13	1	2
8	83	98	181	48	229	73.40	1	0
9	73	114	187	45	232	74.36	4	1
10	94	109	203	40	243	77.88	3	1
11	82	110	192	43	235	75.32	4	1
12	94	112	206	50	256	82.05	6	1
13	63	128	191	32	223	71.47	5	0
14	82	117	199	34	233	74.68	5	1
15	95	131	226	36	262	83.97	2	0
	81.93	116.07	198.00	41.73	239.73	76.84	3.19	0.69
						77 +7/-6		
1st five	79.4	117.8	197.2	42.2	239.4	76.73	3	0.4
1st ten	81.3	114.3	195.6	43.1	238.7	76.51	2.9	0.8

Sheet1

Reloads:

Gold Medal, F209A, Red Dot, B&P T2 370 Gr W/C 7 1/2 FIXED 35 yards 1325's

6/4/10

Test 24B	10	20	total	24	total	%	H1	H2
1	70	119	189	41	230	77.97	5	0
2	80	121	201	42	243	82.37	3	1
3	63	113	176	51	227	76.95	1	0
4	69	103	172	47	219	74.24	3	0
5	49	118	167	46	213	72.20	4	1
6	60	95	155	62	217	73.56	3	0
7	63	104	167	58	225	76.27	1	0
8	82	118	200	41	241	81.69	5	2
9	73	123	196	38	234	79.32	3	1
10	62	112	174	55	229	77.63	5	2
11	95	124	219	29	248	84.07	3	0
12	88	123	211	43	254	86.10	3	1
13	62	119	181	44	225	76.27	4	1
14	78	112	190	42	232	78.64	2	0
15	83	115	198	40	238	80.68	6	3
	71.8	114.6	186.4	45.27	231.67	78.80	3.4	0.8
						79 +7/-6		
1st five	66.2	114.8	181	45.4	226.4	76.75	3.2	0.4
1st ten	67.1	112.6	179.7	48.1	227.8	77.22	3.3	0.7

Reloading data from Precision Reloading.

AA HS Red, W209, 18.5 Clay Dot, 365 gr W/C 7 1/2's, 294 pellets. 35 yds Fixed Full CB 1100-12

Test 14B

	10	20	total	24	total	%	H1	H2
1	78	110	188	40	228	77.55	3	1
2	79	113	192	40	232	78.91	3	1
3	91	113	204	34	238	80.95	3	1
4	69	113	182	42	224	76.19	3	1
5	79	107	186	47	233	79.25	4	1
6	96	115	211	38	249	84.69	4	2
7	66	112	178	44	222	75.51	3	0
8	73	105	178	55	233	79.25	2	1
9	74	108	182	52	234	79.59	3	1
10	68	115	183	43	226	76.87	2	1
11	54	119	173	43	216	73.47	2	0
12	76	133	209	36	245	83.33	2	0
13	69	115	184	48	232	78.91	6	1
14	67	113	180	45	225	76.53	2	0
15	72	107	179	33	212	72.11	5	0
	74.07	113.20	187.27	42.67	229.93	78 +7/-6	3.13	0.73

Sheet1

1st five	79.2	111.2	190.4	40.6	231	78.57	3.2	1
1st ten	77.3	111.1	188.4	43.5	231.9	78.88	3	1

The following is in case you were wondering about reclaimed shot patterns. Shot as an A-B test with the above test #11A on the same day.

AA HS Red, W209, 17.6 PROMO, **RECLAIMED SHOT**, 365 gr, 331 count. 30 yds 0.025 Seminole Test 12A

		10	20	total	24	total	%	H1	H2
CB	1	94	137	231	44	275	82.34	4	1
1100-12	2	86	132	218	47	265	79.34	3	0
	3	110	140	250	34	284	85.03	2	0
	4	78	131	209	52	261	78.14	1	0
	5	95	126	221	49	270	80.84	1	0
	6	99	124	223	48	271	81.14	2	0
	7	109	137	246	36	282	84.43	2	0
	8	101	133	234	34	268	80.24	4	1
	9	99	131	230	45	275	82.34	3	0
	10	95	126	221	50	271	81.14	2	1
	11	87	133	220	52	272	81.44	4	0
	12	93	106	199	45	244	73.05	4	0
	13	94	109	203	49	252	75.45	3	0
	14	97	138	235	42	277	82.93	3	0
	15	105	138	243	46	289	86.53	3	1
		96.13	129.40	225.53	44.87	270.40	80.96	2.73	0.27

81 +6/-8

Pattern % dropped 12% and the fringe was a Golden BB lovers dream

(Patterns using high quality shot fall apart about 11% for every 5 yards, making this pattern about 60% at 40 yards. Poor quality shot patterns fall apart even faster, making this a very poor choice for handicap.)