

PINE RIDGE ARCHERY – VANE TESTING

Tests Conducted December 19, 2013

By Full Flight Technology, LLC

TYPE	V@Bow	V@Target	KE@B	KE@T	%RE	M@B	M@T	TOF	VAVG	Drag
PINE RIDGE NITRO (390 grains)	238.84	228.1	49.39	45.04	91.2	13.31	12.71	244.14	233.47	1440
BOHNING BLAZER (386 grains)	240.4	228.05	49.52	44.56	89.99	13.25	12.57	243.36	234.23	1660
NAP TWISTER (388 grains)	239.33	227.37	49.33	44.53	90.25	13.26	12.6	244.27	233.35	1602
AAE MAX HUNTER (390 grains)	238.13	226.43	49.09	44.39	90.41	13.27	12.61	245.39	232.28	1560
NORWAY FUSION (389 grains)	238.79	227.26	49.24	44.6	90.58	13.27	12.63	244.61	233.02	1542

TABLE 1 – SUMMARY OF RESULTS (20 YARDS)

Abbreviations:

Symbol	Measurement	Units
V@Bow	Arrow Launch Speed	Feet/second
V@Target	Arrow Speed at Impact	Feet/second
KE@B	Kinetic Energy at the Bow	Foot-pounds
KE@T	Kinetic Energy at the Target	Foot-pounds
%RE	Retained Energy	Percent
M@B	Momentum at Bow	Pound-feet/second
M@T	Momentum at Target	Pound-feet/second
TOF	Time of Flight	milliseconds
VAVG	Average Velocity	Feet/second
Drag	Arrow Drag	millig