



MODEL 10ML-II MUZZLELOADER SERIES **QUICK TIPS** FOR IMMEDIATE SHOOTING SUCCESS

BEFORE LOADING AND SHOOTING YOUR NEW SAVAGE MODEL 10ML-II

Remove the bolt, breech plug and vent liner (refer to instructions found in enclosed “**MODEL 10ML-II MUZZLELOADER**” Owner’s Manual) and clean bore free of oil. Make sure both the threads of the tiny vent liner at the front of the breech plug and the threads of the breech plug itself are lubricated with a synthetic “anti-seize” before reinstalling. This will insure that these parts remain removable.

- ✓ The breech plug and vent liner should be removed and the threads re-lubricated every 40 shots when loading and shooting smokeless powder loads - after every 15 shots when shooting black powder or Pyrodex loads.

POWDERS

- ✓ Can be loaded and shot with all “traditional” muzzleloading powders – i.e. black powder, Pyrodex, Pyrodex Pellets. In addition, the Model 10ML-II is the **ONLY** muzzleloader that can be loaded and shot with non-corrosive and clean burning modern nitrocellulose based powders like IMR-4227, Accurate Arms XMP-5744 and Vihtavuori N110.
- ✓ Recommended starting smokeless powder loads with either a saboted 250 or 300 grain .452 bullet: IMR-4227 (45 grains); Accurate Arms XMP-5744 (44 grains); Vihtavuori N110 (43 grains).
- ✓ Precisely weigh all powder charges, using a quality scale, or measure charges using Lee Precision dipper-measures, following instructions for filling and leveling charges.
- ✓ Following Lee plastic dippers, measure these charges: 3.1cc dipper – IMR-4227, 40.3 gr.; AA5744, 41.0 gr.; VN110, 37.2 gr., 3.4cc dipper – IMR-4227, 44.2 gr.; AA5744, 44.9 gr.; VN110, 40.8 gr.; 3.7cc dipper (IMR-4227 and VN110 only): IMR-4227, 48.1 gr.; VN110, 44.4 gr.

BULLETS AND SABOTS

- ✓ Load and shoot **ONLY** .45 caliber (.451” - .452” diameter) bullets – **DO NOT** load and shoot .44 caliber (.429” - .430” diameter) bullets.
- ✓ Two bullets that perform best out of the Model 10ML-II are the standard 250 and 300

- ✓ Use **ONLY** the Muzzleload Magnum Products (Harrison, Arkansas) high-pressure **BLACK** sabot.

- ✓ Bullets of the “partitioned” design to date have not performed that well at the higher velocities of the Model 10ML-II.
 - **FOR BEST RESULTS, USE ONLY THE POWDERS, BULLETS AND SABOTS RECOMMENDED ABOVE. If your Dealer does not have the correct bullets and sabots, contact our Customer Service Department at: 413-568-7001.**

LOADING TIPS

- ✓ Most smokeless powder loads tend to deliver best accuracy when sabot and projectile are seated with 30 to 50 pounds of pressure. Consistent pressure from load to load is important. Improperly seated bullets may cause a misfire.

PRIMERS

- ✓ We recommend Winchester No. 209 primers for best ignition and proper seal of the primer in the Model 10ML-II breech plug.

BALLISTICS/PERFORMANCE

- ✓ The starting loads listed in these “Quick Tips” will produce muzzle velocities of around 1,950 to 2,350 f.p.s. with a sabot 250-grain bullet, generating between 2,100 and 3,060 ft. lbs. of energy. Velocities with a heavier 300-grain bullet will range from nearly 2,000 f.p.s. up to around 2,250 f.p.s. with energy levels ranging from almost 2,660 to more than 3,370 ft. lbs. of energy.

- ✓ Savage shooters have determined that with the proper powder charge, correct sabot and bullet combination, right primer and in the hands of an experienced rifleman, the .50 caliber Model 10ML-II is capable of producing 1 “ groups at 100 yards.

PERFORMANCE TIPS

- ✓ During cool weather shooting (below 50 degrees) starting loads given may be increased by about 5% without affecting accuracy. When shooting during warm/hot weather (above 70 degrees) starting loads may need to be reduced by about 5% to maintain accuracy.

- ✓ **ALWAYS** allow the barrel to cool down between shots for best accuracy: at least 5 minutes during cool weather - maybe up to 15 minutes when the temperatures soar into the 90's.

- ✓ When shooting groups on paper targets with smokeless powder loads, run a single dry patch or bore swab once or twice down the bore between shots. When hunting, this is not necessary.

WARNING: DO NOT ATTEMPT TO LOAD AND SHOOT THESE OR ANY OTHER SMOKELESS POWDER LOADS IN ANY OTHER MUZZLELOADER.

□ Savage Arms, Inc. 2002