



Handloader's Guide

For Smokeless Powders



Shotshell • Rifle • Handgun

Before using any of the loading data contained in this guide,
please be sure to read all of the safety information.

SAFETY INFORMATION

This IMR *Handloader's Guide* presents revised and updated information on the use of IMR powders to reload shotshell, handgun and rifle ammunition. This *Guide* is not intended to be a "how to" manual for reloading, and we strongly recommend that all handloaders carefully read one or more of the reloading manuals which cover the subject in detail. This *Guide* is offered to be used at your own discretion and risk. Since we have no control over the circumstances of use, we assume no liability for the results obtained. And we guarantee only that our powders meet our manufacturing standards.

It is possible that changes in components which could affect ballistic performance could occur without our knowledge. The components used and specified in all our data were those that were commercially available to the handloader at the time our tests were conducted. It is the responsibility of the handloader to check each of his components to insure that they are the same as specified in our data.

Improper modifications and/or alterations can render any type of firearm unsafe. All work should be conducted by the manufacturer or a qualified gunsmith. It is highly recommended that a shooter have his guns checked periodically by a qualified gunsmith to insure that they are in safe operating condition. Treat all guns as being loaded and read and practice all the rules of safe gun handling and shooting.

The future of handloading is dependent upon the safe handling and storage of powder and primers and the safe use of all ammunition. In this regard, read and follow the recommendations of the Sporting Arms and Ammunition Manufacturers' Institute, Inc. as published in "Properties and Storage of Smokeless Powder." A copy of this pamphlet is bound into this *Handloader's Guide*.

SHOTSHELL

The shotshell data section offers a wide selection of target and field loads. There have been a number of changes and modifications in shotshell components which make it increasingly important that the handloader carefully check all of the components being used to insure that they are the same as shown. If you have reason to question any of your components, contact the manufacturer.

Our goal in developing this shotshell data was to offer a selection of "factory duplication" loads, specifying the average velocity and chamber pressure of the rounds tested. However, not all factory loads can be duplicated because the components utilized are not available to the handloader. All of the ballistics data specified were obtained using once-fired cases and components available to the handloaders at the time our tests were performed.

All of the shotshell data presented were developed using **lead** shot. Do not attempt to reload any of the loads listed using **steel** shot. Substituting steel shot in any load developed for lead shot could be very dangerous.

To obtain a reasonable duplication of the ballistic results listed, you must reload exactly as shown. Substitution of components especially primers and/or alteration in powder charge or type of powder could result in extremely dangerous reloads.

Good, uniform, efficient reloads result only from careful reloading procedures. Always check powder and shot weights on a reliable scale, use the exact components specified, seat wads properly and use only cases that are in good condition. Never leave to chance the

powder type and/or weight and the lead shot weight that you are loading in a shell. Inspect all reloaded shells to insure that crimp closely duplicates that of factory loads.

Unfortunately, time and space do not permit publication of loads utilizing all of the many components available. Loading data utilizing IMR powders for wads not listed in this *Guide* may be obtained by contacting the wad manufacturer.

RIFLE

The rifle data section contains data for most of the popular cartridges. The components specified were those that were commercially available to the handloader at the time the tests were performed.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels used and components specified, with the exception of loads that are specified as (C) compressed charges which may represent case capacity rather than maximum chamber pressure. All tests were conducted utilizing commercial barrels in a Universal Receiver.

It is not unusual for reloads assembled with particular components and fired in the individual reloader's gun to give ballistic results (particularly chamber pressures) that vary in either direction from the published data. To compensate for any component and/or gun combination that would tend to yield pressures in excess of the published data, it is recommended that the powder charge be reduced 10% initially. (This reduction in powder charge weight should also be made each time that any of the components in the load are changed.) After firing several loads at the lower powder charge weight—without ANY evidence of excessive chamber pressure—the powder charge weight may then be increased in 0.5 grain increments as accuracy needs and pressure indications permit. The subject of excessive pressure along with illustrations is included in most reloading manuals, and should be read before attempting any reloading.

Always make certain that you use the correct ammunition in your rifle.

This data must be used only with IMR Smokeless Powders. Never use this data for powders that may have similar numerical designations!

HANDGUN

The handgun section contains loads for the more popular handgun cartridges utilizing the handloading components commercially available at the time our tests were conducted. We have also included a section of handgun data for the T/C Contender in cartridge and component combinations of particular interest to the metallic silhouette shooter. Test components used are specified and these exact components must be used to achieve a reasonable duplication of the ballistic data shown.

The powder charge weights specified represent loads that developed **Maximum Allowable Chamber Pressures** with the test barrels and components used, with the exception of loads that are specified as (C) compressed charges and therefore may represent case capacity rather than maximum chamber pressure, and loads that duplicate factory velocity. All tests were conducted utilizing commercial barrels in a Universal Receiver.

Always practice all of the principals of **SAFE RELOADING** and enjoy good shooting.

RELOADING SAFETY

Reloading ammunition is an enjoyable hobby, and can be conducted safely if certain rules are followed:

1. Exercise care and common sense at all times.
2. Don't become distracted when you are handloading.
3. Never load in haste. A careless mistake can be serious.
4. Use equipment as manufacturer recommends.
Never take shortcuts.
5. Store powder in a cool, dry place at all times.
6. Never use a powder unless you are positive of its identity.
7. Never substitute smokeless powder for black powder.
8. Never use IMR powder data for any other powder types with similar numerical designations.
9. Keep powder away from heat and open flames.
10. Never smoke while handling powder.
11. Keep powder out of reach of children.
12. Don't mix powders.
13. Don't keep more powder in an open container than you need.
14. Observe all maximum load warnings in handbooks.
15. Work up all new loads starting 10% below the recommended maximum charge weight.
16. Examine every case before loading to insure it is in good condition.
17. Watch for indications of high pressures in establishing a new load.
18. Never use smokeless powder in firearms designed for black powder.
19. DO NOT use *steel shot* in any of the shotshell loads listed in this guide.
20. Use of safety glasses while reloading is recommended.
21. Clean up any powder spills immediately. Use dust pan and brush to clean up powder. Dispose of it in accordance with recommended procedures.
22. Make sure powder container is empty before disposing of container.
23. Consult suppliers of components if you have any questions about their use.
24. Check powder charges regularly to insure using proper powder charge weight.
25. Develop a routine for reloading to guard against mistakes.

NOTE:

- It should be recognized that Auto-Loading Shotguns may not function with some of the Low Chamber Pressure Loads.
- Several Handgun Calibers show Chamber Pressure in PSI.
- If you use Military Brass for certain Center-Fire Calibers the maximum powder charges should be lowered from data shown.
- **We have included a separate section in the Rifle Data Section that provides recommendations for various Calibers and Components showing Chamber Pressures in PSI units versus prior data with CUP units for the Chamber Pressure. There will be additions to this section as the data becomes available.**

TABLE OF CONTENTS

Page	Page
SHOTSHELL TARGET	4
12 gauge target, 24 gram	4
12 gauge target, 1 oz.	12
12 gauge target, 1 1/8 oz.	18
20 gauge target	29
28 gauge target	32
.410 bore target	34
SHOTSHELL FIELD	34
10 gauge field	34
12 gauge buckshot	35
12 gauge field	35
16 gauge field	42
20 gauge field	44
.410 bore field	46
Table of Abbreviations	46
Powder Table	46
Chilled Shot Table	46
RIFLE - CUP DATA	47
Weatherby Cartridges	51
RIFLE - PSI DATA	51
HANDGUN	54
T/C Contender	57
Powder Selection Guide	59

SHOT SHELL TARGET DATA

12 GAUGE 2³/₄ INCH 24 GRAM LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE Grams**								
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1155	5300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1205	5900
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1255	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1145	4800
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1195	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1250	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1145	5000
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6200
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1325	7100
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	6000
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6600
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1330	7500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	FED.	12SO	24	1160	5500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	FED.	12SO	24	1205	6200
FEDERAL	209A	"HI-SKOR" 700-X	18.0*	FED.	12SO	24	1255	6800
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	FED.	12SO	24	1325	7800
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1200	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7300
FEDERAL	209A	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1150	4700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1205	5400
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1250	5900
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	WIN.	WAA12SL	24	1325	6600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1205	4600
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1250	5300
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB1100-12	24	1320	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1150	4200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1195	4800
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1250	5700
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	REM.	TGT12	24	1330	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB2100-12	24	1140	4000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1195	4500
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1265	5200
REMINGTON	209P	"HI-SKOR" 700-X	21.0*	CB.	CB2100-12	24	1330	6300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	FED.	12SO	24	1160	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	FED.	12SO	24	1205	5300
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	FED.	12SO	24	1250	6000
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	FED.	12SO	24	1340	7300
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	ACTIV	TG-30	24	1145	4800
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1210	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	ACTIV	TG-30	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.0*	ACTIV	TG-30	24	1320	7000
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1150	5100
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	5700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	24	1320	7500
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1155	4900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1210	5500
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB1100-12	24	1260	6200
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB1100-12	24	1335	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5200
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1195	5800
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	24	1245	6400
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	REM.	TGT12	24	1335	7800
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	CB.	CB2100-12	24	1160	5300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB2100-12	24	1210	5900
WINCHESTER	209	"HI-SKOR" 700-X	18.0*	CB.	CB2100-12	24	1260	6500
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	CB.	CB2100-12	24	1335	7400
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	FED.	12SO	24	1145	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	FED.	12SO	24	1195	6100
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	FED.	12SO	24	1250	6700
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	FED.	12SO	24	1330	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	ACTIV	TG-30	24	1145	5600
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	ACTIV	TG-30	24	1195	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	ACTIV	TG-30	24	1245	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.5*	ACTIV	TG-30	24	1335	8400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE						Grams**		
FEDERAL	209A	PB	20.0*	WIN.	WAA12SL	24	1155	5000
FEDERAL	209A	PB	21.0*	WIN.	WAA12SL	24	1195	5300
FEDERAL	209A	PB	22.5*	WIN.	WAA12SL	24	1250	5900
FEDERAL	209A	PB	24.5*	WIN.	WAA12SL	24	1325	6600
FEDERAL	209A	PB	20.0*	CB.	CB2118-12	24	1150	4900
FEDERAL	209A	PB	21.0*	CB.	CB2118-12	24	1190	5400
FEDERAL	209A	PB	22.5*	CB.	CB2118-12	24	1250	6000
FEDERAL	209A	PB	24.5*	CB.	CB2118-12	24	1330	6900
FEDERAL	209A	PB	20.0*	REM.	TGT12	24	1145	4700
FEDERAL	209A	PB	21.5*	REM.	TGT12	24	1205	5300
FEDERAL	209A	PB	23.0*	REM.	TGT12	24	1265	6000
FEDERAL	209A	PB	24.5*	REM.	TGT12	24	1325	6700
FEDERAL	209A	PB	20.0*	FED.	12S3	24	1155	5200
FEDERAL	209A	PB	21.0*	FED.	12S3	24	1195	5600
FEDERAL	209A	PB	22.5*	FED.	12S3	24	1260	6300
FEDERAL	209A	PB	24.0*	FED.	12S3	24	1320	7000
FEDERAL	209A	PB	20.0*	ACTIV	TG-30	24	1145	5000
FEDERAL	209A	PB	21.5*	ACTIV	TG-30	24	1205	5600
FEDERAL	209A	PB	22.5*	ACTIV	TG-30	24	1250	6100
FEDERAL	209A	PB	24.5*	ACTIV	TG-30	24	1330	7000
REMINGTON	209P	PB	21.0*	WIN.	WAA12SL	24	1140	3900
REMINGTON	209P	PB	22.5*	WIN.	WAA12SL	24	1195	4400
REMINGTON	209P	PB	24.0*	WIN.	WAA12SL	24	1255	5100
REMINGTON	209P	PB	25.5*	WIN.	WAA12SL	24	1320	5700
REMINGTON	209P	PB	21.0*	CB.	CB2118-12	24	1150	4300
REMINGTON	209P	PB	22.5*	CB.	CB2118-12	24	1205	4700
REMINGTON	209P	PB	24.0*	CB.	CB2118-12	24	1265	5300
REMINGTON	209P	PB	25.5*	CB.	CB2118-12	24	1330	6100
REMINGTON	209P	PB	21.0*	REM.	TGT12	24	1145	3900
REMINGTON	209P	PB	22.5*	REM.	TGT12	24	1200	4500
REMINGTON	209P	PB	24.0*	REM.	TGT12	24	1265	5200
REMINGTON	209P	PB	25.5*	REM.	TGT12	24	1330	6000
REMINGTON	209P	PB	21.0*	FED.	12S3	24	1160	4700
REMINGTON	209P	PB	22.0*	FED.	12S3	24	1205	5100
REMINGTON	209P	PB	23.0*	FED.	12S3	24	1250	5600
REMINGTON	209P	PB	25.0*	FED.	12S3	24	1330	6600
REMINGTON	209P	PB	20.0*	ACTIV	TG-30	24	1140	4800
REMINGTON	209P	PB	22.0*	ACTIV	TG-30	24	1205	5300
REMINGTON	209P	PB	23.5*	ACTIV	TG-30	24	1260	5700
REMINGTON	209P	PB	25.0*	ACTIV	TG-30	24	1325	6400
WINCHESTER	209	PB	20.5*	WIN.	WAA12SL	24	1145	4300
WINCHESTER	209	PB	21.5*	WIN.	WAA12SL	24	1190	4800
WINCHESTER	209	PB	23.0*	WIN.	WAA12SL	24	1255	5400
WINCHESTER	209	PB	25.0*	WIN.	WAA12SL	24	1335	6200
WINCHESTER	209	PB	20.5*	CB.	CB2118-12	24	1150	4800
WINCHESTER	209	PB	21.5*	CB.	CB2118-12	24	1195	5300
WINCHESTER	209	PB	23.0*	CB.	CB2118-12	24	1260	6000
WINCHESTER	209	PB	24.5*	CB.	CB2118-12	24	1320	6600
WINCHESTER	209	PB	20.5*	REM.	TGT12	24	1140	4500
WINCHESTER	209	PB	22.0*	REM.	TGT12	24	1200	5000
WINCHESTER	209	PB	23.5*	REM.	TGT12	24	1265	5700
WINCHESTER	209	PB	25.0*	REM.	TGT12	24	1325	6300
WINCHESTER	209	PB	20.5*	FED.	12S3	24	1145	4800
WINCHESTER	209	PB	22.0*	FED.	12S3	24	1205	5600
WINCHESTER	209	PB	23.0*	FED.	12S3	24	1250	6100
WINCHESTER	209	PB	24.5*	FED.	12S3	24	1320	6900
WINCHESTER	209	PB	20.5*	ACTIV	TG-30	24	1160	5100
WINCHESTER	209	PB	21.5*	ACTIV	TG-30	24	1200	5600
WINCHESTER	209	PB	22.5*	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	PB	24.5*	ACTIV	TG-30	24	1325	6900
FEDERAL	209A	SR7625	23.5*	WIN.	WAA12SL	24	1150	3800
FEDERAL	209A	SR7625	24.5*	WIN.	WAA12SL	24	1190	4200
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	24	1255	4800
FEDERAL	209A	SR7625	27.0	WIN.	WAA12SL	24	1320	5600
FEDERAL	209A	SR7625	24.0	CB.	CB2100-12	24	1145	3400
FEDERAL	209A	SR7625	25.5	CB.	CB2100-12	24	1205	3900

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE						Grams**		
FEDERAL	209A	SR7625	26.5	CB.	CB2100-12	24	1250	4300
FEDERAL	209A	SR7625	28.5	CB.	CB2100-12	24	1325	5000
FEDERAL	209A	SR7625	24.0	REM.	TGT12	24	1155	3700
FEDERAL	209A	SR7625	25.0	REM.	TGT12	24	1195	4000
FEDERAL	209A	SR7625	26.5	REM.	TGT12	24	1255	4600
FEDERAL	209A	SR7625	28.5	REM.	TGT12	24	1335	5400
FEDERAL	209A	SR7625	23.5	FED.	12S0	24	1145	3800
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1205	4300
FEDERAL	209A	SR7625	26.5	FED.	12S0	24	1265	4900
FEDERAL	209A	SR7625	28.0	FED.	12S0	24	1320	5400
FEDERAL	209A	SR7625	23.5*	ACTIV	TG-30	24	1155	4100
FEDERAL	209A	SR7625	24.5*	ACTIV	TG-30	24	1200	4600
FEDERAL	209A	SR7625	26.0*	ACTIV	TG-30	24	1260	5300
FEDERAL	209A	SR7625	28.0*	ACTIV	TG-30	24	1335	5900
WINCHESTER	209	SR7625	24.5*	WIN.	WAA12SL	24	1145	3500
WINCHESTER	209	SR7625	25.5	WIN.	WAA12SL	24	1195	3800
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1265	4600
WINCHESTER	209	SR7625	28.5	WIN.	WAA12SL	24	1335	5400
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	24	1155	3300
WINCHESTER	209	SR7625	26.0	CB.	CB2100-12	24	1195	3600
WINCHESTER	209	SR7625	27.5	CB.	CB2100-12	24	1250	4000
WINCHESTER	209	SR7625	29.5	CB.	CB2100-12	24	1322	4600
WINCHESTER	209	SR7625	24.5	REM.	TGT12	24	1150	3500
WINCHESTER	209	SR7625	25.5	REM.	TGT12	24	1195	3700
WINCHESTER	209	SR7625	27.0	REM.	TGT12	24	1250	4200
WINCHESTER	209	SR7625	29.0	REM.	TGT12	24	1330	4900
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1155	3700
WINCHESTER	209	SR7625	25.5	FED.	12S0	24	1200	4000
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1255	4500
WINCHESTER	209	SR7625	29.0	FED.	12S0	24	1330	5200
WINCHESTER	209	SR7625	23.5*	ACTIV	TG-30	24	1140	3900
WINCHESTER	209	SR7625	25.0*	ACTIV	TG-30	24	1200	4400
WINCHESTER	209	SR7625	26.5*	ACTIV	TG-30	24	1260	5000
WINCHESTER	209	SR7625	28.0*	ACTIV	TG-30	24	1320	5600
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6500
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1245	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	10000
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	CB.	CB1100-12	24	1155	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1205	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1255	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1330	8900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1160	6500
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1265	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1155	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6800
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1160	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1210	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9200
FEDERAL	209A	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1155	6900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1200	7600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1250	8300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1320	9600
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1255	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	8900
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1155	5500
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	CB.	CB1100-12	24	1210	6400
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1260	7200
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1335	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1150	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	REM.	TGT12	24	1335	8700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1150	5700

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27						Grams**		
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1330	8600
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12SO	24	1150	6100
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12SO	24	1205	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12SO	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12SO	24	1340	9800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1155	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1260	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1330	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1160	6700
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	24	1210	7600
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8400
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1335	9700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	24	1140	5300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	24	1200	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	24	1325	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0*	REM.	TGT12	24	1155	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1260	8000
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1335	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1145	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1200	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1255	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1335	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.0	FED.	12SO	24	1160	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12SO	24	1215	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12SO	24	1265	8100
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12SO	24	1335	9400
WINCHESTER	209	"HI-SKOR" 700-X	14.5	ACTIV	TG-30	24	1135	6200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1265	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1335	9700
FEDERAL	209A	PB	17.5	WIN.	WAA12SL	24	1155	6400
FEDERAL	209A	PB	18.5	WIN.	WAA12SL	24	1200	7100
FEDERAL	209A	PB	20.0	WIN.	WAA12SL	24	1265	8100
FEDERAL	209A	PB	21.5	WIN.	WAA12SL	24	1330	9000
FEDERAL	209A	PB	18.0	CB.	CB1100-12	24	1140	5100
FEDERAL	209A	PB	19.5	CB.	CB1100-12	24	1205	6100
FEDERAL	209A	PB	20.5	CB.	CB1100-12	24	1250	6800
FEDERAL	209A	PB	22.5	CB.	CB1100-12	24	1330	7800
FEDERAL	209A	PB	18.0	REM.	TGT12	24	1145	5500
FEDERAL	209A	PB	19.5	REM.	TGT12	24	1205	6300
FEDERAL	209A	PB	20.5	REM.	TGT12	24	1250	6700
FEDERAL	209A	PB	22.5	REM.	TGT12	24	1330	7800
FEDERAL	209A	PB	18.0	12SO	12SO	24	1155	6300
FEDERAL	209A	PB	19.0	12SO	12SO	24	1195	6900
FEDERAL	209A	PB	20.5	12SO	12SO	24	1255	7800
FEDERAL	209A	PB	22.0	12SO	12SO	24	1320	8700
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1150	5800
FEDERAL	209A	PB	19.5	ACTIV	TG-30	24	1190	6300
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	7100
FEDERAL	209A	PB	22.5	ACTIV	TG-30	24	1320	8000
REMINGTON	209P	PB	18.5	WIN.	WAA12SL	24	1145	5400
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	24	1195	6200
REMINGTON	209P	PB	21.0	WIN.	WAA12SL	24	1265	7300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	24	1325	8000
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1140	4300
REMINGTON	209P	PB	21.0	CB.	CB1100-12	24	1205	5100
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5600
REMINGTON	209P	PB	24.0	CB.	CB1100-12	24	1330	6400
REMINGTON	209P	PB	19.5	REM.	TGT12	24	1155	4800
REMINGTON	209P	PB	20.5	REM.	TGT12	24	1195	5200
REMINGTON	209P	PB	22.0	REM.	TGT12	24	1260	6000

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27						Grams**		
REMINGTON	209P	PB	23.5	REM.	TG12	24	1325	6900
REMINGTON	209P	PB	19.0	FED.	12S0	24	1145	5300
REMINGTON	209P	PB	20.5	FED.	12S0	24	1210	6300
REMINGTON	209P	PB	21.5	FED.	12S0	24	1255	6800
REMINGTON	209P	PB	23.5	FED.	12S0	24	1335	7700
REMINGTON	209P	PB	19.0	ACTIV	TG-30	24	1140	5200
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1210	6000
REMINGTON	209P	PB	21.5	ACTIV	TG-30	24	1255	6500
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1335	7500
WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1140	5600
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6400
WINCHESTER	209	PB	20.5	WIN.	WAA12SL	24	1245	7000
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1330	8100
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1145	4700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5200
WINCHESTER	209	PB	21.5	CB.	CB1100-12	24	1245	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1330	6400
WINCHESTER	209	PB	19.0	REM.	TGT12	24	1155	5200
WINCHESTER	209	PB	20.0	REM.	TGT12	24	1200	5700
WINCHESTER	209	PB	21.0	REM.	TGT12	24	1245	6200
WINCHESTER	209	PB	23.0	REM.	TGT12	24	1330	7300
WINCHESTER	209	PB	19.0	FED.	12S0	24	1145	5400
WINCHESTER	209	PB	20.5	FED.	12S0	24	1210	6300
WINCHESTER	209	PB	21.5	FED.	12S0	24	1250	6800
WINCHESTER	209	PB	23.5	FED.	12S0	24	1335	7700
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1155	5700
WINCHESTER	209	PB	20.0	ACTIV	TG-30	24	1190	6100
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1255	6900
WINCHESTER	209	PB	23.0	ACTIV	TG-30	24	1325	7800
FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	24	1155	5700
FEDERAL	209A	SR7625	21.5	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	SR7625	23.0	WIN.	WAA12SL	24	1250	6800
FEDERAL	209A	SR7625	25.0	WIN.	WAA12SL	24	1320	7500
FEDERAL	209A	SR7625	21.5	CB.	CB1100-12	24	1150	4600
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	24	1210	5100
FEDERAL	209A	SR7625	24.0	CB.	CB1100-12	24	1250	5600
FEDERAL	209A	SR7625	26.0	CB.	CB1100-12	24	1330	6500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4700
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	5200
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1260	6000
FEDERAL	209A	SR7625	26.0*	REM.	FIG8	24	1320	6800
FEDERAL	209A	SR7625	21.5	FED.	12S0	24	1155	5300
FEDERAL	209A	SR7625	22.5	FED.	12S0	24	1200	5700
FEDERAL	209A	SR7625	24.0	FED.	12S0	24	1260	6500
FEDERAL	209A	SR7625	25.0	FED.	12S0	24	1325	7300
FEDERAL	209A	SR7625	21.0	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	SR7625	22.5	ACTIV	TG-30	24	1200	5700
FEDERAL	209A	SR7625	23.5	ACTIV	TG-30	24	1245	6200
FEDERAL	209A	SR7625	25.5	ACTIV	TG-30	24	1325	7200
REMINGTON	209P	SR7625	21.5	WIN.	WAA12SL	24	1155	4800
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	24	1205	5300
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	24	1255	5800
REMINGTON	209P	SR7625	26.0	WIN.	WAA12SL	24	1325	6800
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3200
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3800
REMINGTON	209P	SR7625	26.0	CB.	CB1100-12	24	1250	4400
REMINGTON	209P	SR7625	27.5	CB.	CB1100-12	24	1320	5300
REMINGTON	209P	SR7625	22.0*	REM.	FIG8	24	1140	4200
REMINGTON	209P	SR7625	23.5*	REM.	FIG8	24	1205	4900
REMINGTON	209P	SR7625	24.5*	REM.	FIG8	24	1245	5300
REMINGTON	209P	SR7625	26.5*	REM.	FIG8	24	1325	6200
REMINGTON	209P	SR7625	21.5	FED.	12S0	24	1155	4600
REMINGTON	209P	SR7625	23.0	FED.	12S0	24	1210	5300
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1250	5800
REMINGTON	209P	SR7625	26.0	FED.	12S0	24	1335	6900
REMINGTON	209P	SR7625	21.5	ACTIV	TG-30	24	1155	4900
REMINGTON	209P	SR7625	23.0	ACTIV	TG-30	24	1210	5200
REMINGTON	209P	SR7625	24.5	ACTIV	TG-30	24	1260	5600
REMINGTON	209P	SR7625	26.0	ACTIV	TG-30	24	1320	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP **24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27						Grams**		
WINCHESTER	209	SR7625	21.0	WIN.	WAA12SL	24	1160	5300
WINCHESTER	209	SR7625	22.0	WIN.	WAA12SL	24	1205	5900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	24	1250	6400
WINCHESTER	209	SR7625	24.5	WIN.	WAA12SL	24	1320	7300
WINCHESTER	209	SR7625	23.0	CB.	CB1100-12	24	1145	3800
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1210	4400
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	24	1255	4900
WINCHESTER	209	SR7625	27.0	CB.	CB1100-12	24	1325	5700
WINCHESTER	209	SR7625	22.5*	REM.	FIG8	24	1160	4600
WINCHESTER	209	SR7625	23.5*	REM.	FIG8	24	1205	5100
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5600
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1325	6500
WINCHESTER	209	SR7625	22.5	FED.	12S0	24	1160	4800
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1210	5300
WINCHESTER	209	SR7625	24.5	FED.	12S0	24	1255	6000
WINCHESTER	209	SR7625	26.0	FED.	12S0	24	1325	6900
WINCHESTER	209	SR7625	21.5	ACTIV	TG-30	24	1145	5000
WINCHESTER	209	SR7625	23.0	ACTIV	TG-30	24	1205	5600
WINCHESTER	209	SR7625	24.0	ACTIV	TG-30	24	1250	6100
WINCHESTER	209	SR7625	25.5	ACTIV	TG-30	24	1320	7000
SHELL: WINCHESTER AA						Grams**		
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1145	6400
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1195	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1320	9100
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1140	5700
FEDERAL	209A	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6400
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7400
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8300
FEDERAL	209A	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1210	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1255	7800
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1160	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1210	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1260	7500
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1325	8600
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	6400
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	24	1200	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	24	1250	7900
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	24	1325	9000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1145	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7100
FEDERAL	209A	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	8000
FEDERAL	209A	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	9100
REMINGTON	209P	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	24	1140	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	24	1200	6000
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	WIN.	WAA12SL	24	1265	6800
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	WIN.	WAA12SL	24	1330	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	CB.	CB1100-12	24	1145	4100
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	CB.	CB1100-12	24	1200	4800
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	CB.	CB1100-12	24	1265	5500
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	CB.	CB1100-12	24	1335	6400
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	REM.	TGT12	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	REM.	TGT12	24	1190	5500
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	24	1250	6100
REMINGTON	209P	"HI-SKOR" 700-X	20.5*	REM.	TGT12	24	1325	6800
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	4800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	24	1200	5200
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	24	1255	5600
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2100-12	24	1325	6300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	24	1150	5000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S0	24	1190	5600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	24	1250	6300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	24	1320	7600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	ACTIV	TG-30	24	1145	5400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	ACTIV	TG-30	24	1200	6100
REMINGTON	209P	"HI-SKOR" 700-X	18.0	ACTIV	TG-30	24	1255	6700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	ACTIV	TG-30	24	1330	7500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	WIN.	WAA12SL	24	1140	6300
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	24	1190	7100
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	24	1260	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	24	1325	9100
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	CB.	CB1100-12	24	1135	5600
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	CB.	CB1100-12	24	1190	6300
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	CB.	CB1100-12	24	1260	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	CB.	CB1100-12	24	1325	8400
WINCHESTER	209	"HI-SKOR" 700-X	14.5*	REM.	TGT12	24	1140	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.0*	REM.	TGT12	24	1205	6900
WINCHESTER	209	"HI-SKOR" 700-X	17.0*	REM.	TGT12	24	1250	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	24	1320	8700
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	24	1140	5400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	24	1195	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	24	1250	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2100-12	24	1320	8600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12SO	24	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12SO	24	1195	7300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12SO	24	1265	8300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12SO	24	1325	9300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	ACTIV	TG-30	24	1150	6200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	ACTIV	TG-30	24	1205	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	ACTIV	TG-30	24	1255	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	ACTIV	TG-30	24	1320	8900
Grams**								
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	24	1160	5800
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	24	1195	6200
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	24	1255	6900
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	24	1330	7800
FEDERAL	209A	PB	18.5	CB.	CB1100-12	24	1155	4900
FEDERAL	209A	PB	20.0	CB.	CB1100-12	24	1205	5300
FEDERAL	209A	PB	21.0	CB.	CB1100-12	24	1245	5600
FEDERAL	209A	PB	23.0	CB.	CB1100-12	24	1320	6600
FEDERAL	209A	PB	18.0*	REM.	FIG8	24	1145	5200
FEDERAL	209A	PB	19.5*	REM.	FIG8	24	1200	5800
FEDERAL	209A	PB	21.0*	REM.	FIG8	24	1255	6500
FEDERAL	209A	PB	23.0*	REM.	FIG8	24	1325	7200
FEDERAL	209A	PB	18.5	FED.	12SO	24	1150	5500
FEDERAL	209A	PB	19.5	FED.	12SO	24	1190	6000
FEDERAL	209A	PB	21.0	FED.	12SO	24	1250	6600
FEDERAL	209A	PB	23.0	FED.	12SO	24	1330	7900
FEDERAL	209A	PB	18.5	ACTIV	TG-30	24	1140	5100
FEDERAL	209A	PB	20.0	ACTIV	TG-30	24	1205	6000
FEDERAL	209A	PB	21.0	ACTIV	TG-30	24	1255	6700
FEDERAL	209A	PB	23.0	ACTIV	TG-30	24	1330	7700
REMINGTON	209P	PB	18.5	WIN.	WINAA12SL	24	1140	4800
REMINGTON	209P	PB	20.0	WIN.	WINAA12SL	24	1195	5400
REMINGTON	209P	PB	21.5	WIN.	WINAA12SL	24	1255	6100
REMINGTON	209P	PB	23.5	WIN.	WINAA12SL	24	1335	7200
REMINGTON	209P	PB	19.5	CB.	CB1100-12	24	1155	4200
REMINGTON	209P	PB	20.5	CB.	CB1100-12	24	1195	4500
REMINGTON	209P	PB	22.0	CB.	CB1100-12	24	1250	5000
REMINGTON	209P	PB	24.5	CB.	CB1100-12	24	1330	5700
REMINGTON	209P	PB	19.5*	REM.	FIG8	24	1150	4500
REMINGTON	209P	PB	20.5*	REM.	FIG8	24	1190	5000
REMINGTON	209P	PB	22.0*	REM.	FIG8	24	1255	5800
REMINGTON	209P	PB	23.5*	REM.	FIG8	24	1320	6700
REMINGTON	209P	PB	19.5	FED.	12SO	24	1155	4900
REMINGTON	209P	PB	20.5	FED.	12SO	24	1200	5400
REMINGTON	209P	PB	22.0	FED.	12SO	24	1255	6100
REMINGTON	209P	PB	24.0	FED.	12SO	24	1325	6800
REMINGTON	209P	PB	19.5	ACTIV	TG-30	24	1150	4700
REMINGTON	209P	PB	20.5	ACTIV	TG-30	24	1190	5100
REMINGTON	209P	PB	22.0	ACTIV	TG-30	24	1255	5800
REMINGTON	209P	PB	23.5	ACTIV	TG-30	24	1320	6500
WINCHESTER	209	PB	18.0	WIN.	WAA12SL	24	1145	5500
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	24	1200	6000
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	24	1260	6500
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	24	1325	7500
WINCHESTER	209	PB	19.0	CB.	CB1100-12	24	1155	4500
WINCHESTER	209	PB	20.5	CB.	CB1100-12	24	1205	5000
WINCHESTER	209	PB	22.0	CB.	CB1100-12	24	1260	5600
WINCHESTER	209	PB	23.5	CB.	CB1100-12	24	1325	6300

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 24 GRAM LOADS (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	PB	19.0*	REM.	FIG8	24	1145	4900
WINCHESTER	209	PB	20.5*	REM.	FIG8	24	1200	5400
WINCHESTER	209	PB	22.0*	REM.	FIG8	24	1255	6100
WINCHESTER	209	PB	23.5*	REM.	FIG8	24	1320	6800
WINCHESTER	209	PB	19.0	FED.	12S0	24	1155	5200
WINCHESTER	209	PB	20.0	FED.	12S0	24	1195	5800
WINCHESTER	209	PB	21.5	FED.	12S0	24	1260	6600
WINCHESTER	209	PB	23.0	FED.	12S0	24	1325	7500
WINCHESTER	209	PB	19.0	ACTIV	TG-30	24	1135	4900
WINCHESTER	209	PB	20.5	ACTIV	TG-30	24	1205	5700
WINCHESTER	209	PB	21.5	ACTIV	TG-30	24	1250	6300
WINCHESTER	209	PB	23.5	ACTIV	TG-30	24	1330	7300
Grams**								
FEDERAL	209A	SR7625	21.0	WIN.	WAA12SL	24	1150	4600
FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	24	1200	5000
FEDERAL	209A	SR7625	24.0	WIN.	WAA12SL	24	1250	5400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12SL	24	1330	6400
FEDERAL	209A	SR7625	22.5	CB.	CB1100-12	24	1155	3700
FEDERAL	209A	SR7625	23.5	CB.	CB1100-12	24	1195	4000
FEDERAL	209A	SR7625	25.0	CB.	CB1100-12	24	1250	4600
FEDERAL	209A	SR7625	27.0	CB.	CB1100-12	24	1335	5500
FEDERAL	209A	SR7625	22.0*	REM.	FIG8	24	1150	4200
FEDERAL	209A	SR7625	23.0*	REM.	FIG8	24	1195	4700
FEDERAL	209A	SR7625	24.5*	REM.	FIG8	24	1255	5300
FEDERAL	209A	SR7625	26.5*	REM.	FIG8	24	1330	6200
FEDERAL	209A	SR7625	22.0	FED.	12S0	24	1150	4400
FEDERAL	209A	SR7625	23.0	FED.	12S0	24	1195	4800
FEDERAL	209A	SR7625	24.5	FED.	12S0	24	1255	5400
FEDERAL	209A	SR7625	26.0	FED.	12S0	24	1320	6400
FEDERAL	209A	SR7625	21.5	ACTIV	TG-30	24	1145	4200
FEDERAL	209A	SR7625	23.0	ACTIV	TG-30	24	1205	4900
FEDERAL	209A	SR7625	24.0	ACTIV	TG-30	24	1250	5400
FEDERAL	209A	SR7625	26.0	ACTIV	TG-30	24	1325	6400
REMINGTON	209P	SR7625	22.5	WIN.	WAA12SL	24	1150	3700
REMINGTON	209P	SR7625	24.0	WIN.	WAA12SL	24	1210	4400
REMINGTON	209P	SR7625	25.0	WIN.	WAA12SL	24	1250	4800
REMINGTON	209P	SR7625	27.0	WIN.	WAA12SL	24	1320	5500
REMINGTON	209P	SR7625	23.5	CB.	CB1100-12	24	1145	3000
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	24	1205	3500
REMINGTON	209P	SR7625	26.5	CB.	CB1100-12	24	1265	4100
REMINGTON	209P	SR7625	28.0	CB.	CB1100-12	24	1330	4700
REMINGTON	209P	SR7625	23.0*	REM.	FIG8	24	1150	3700
REMINGTON	209P	SR7625	24.0*	REM.	FIG8	24	1195	4200
REMINGTON	209P	SR7625	25.5*	REM.	FIG8	24	1255	4800
REMINGTON	209P	SR7625	27.5*	REM.	FIG8	24	1335	5700
REMINGTON	209P	SR7625	22.5	FED.	12S0	24	1140	4000
REMINGTON	209P	SR7625	24.0	FED.	12S0	24	1190	4400
REMINGTON	209P	SR7625	25.5	FED.	12S0	24	1250	5200
REMINGTON	209P	SR7625	27.0	FED.	12S0	24	1320	6000
REMINGTON	209P	SR7625	22.5	ACTIV	TG-30	24	1150	3900
REMINGTON	209P	SR7625	23.5	ACTIV	TG-30	24	1195	4400
REMINGTON	209P	SR7625	25.0	ACTIV	TG-30	24	1250	4900
REMINGTON	209P	SR7625	27.5	ACTIV	TG-30	24	1325	5600
WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	24	1150	4200
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	24	1195	4700
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	24	1255	5300
WINCHESTER	209	SR7625	27.0	WIN.	WAA12SL	24	1330	6000
WINCHESTER	209	SR7625	23.5	CB.	CB1100-12	24	1150	3500
WINCHESTER	209	SR7625	24.5	CB.	CB1100-12	24	1190	3700
WINCHESTER	209	SR7625	26.0	CB.	CB1100-12	24	1250	4300
WINCHESTER	209	SR7625	28.0	CB.	CB1100-12	24	1330	5000
WINCHESTER	209	SR7625	22.0*	REM.	FIG8	24	1155	4300
WINCHESTER	209	SR7625	23.0*	REM.	FIG8	24	1190	4600
WINCHESTER	209	SR7625	24.5*	REM.	FIG8	24	1245	5100
WINCHESTER	209	SR7625	26.5*	REM.	FIG8	24	1320	5900
WINCHESTER	209	SR7625	22.0	FED.	12S0	24	1140	4100
WINCHESTER	209	SR7625	23.5	FED.	12S0	24	1195	4700
WINCHESTER	209	SR7625	25.0	FED.	12S0	24	1255	5300
WINCHESTER	209	SR7625	27.0	FED.	12S0	24	1335	6200
WINCHESTER	209	SR7625	22.0	ACTIV	TG-30	24	1140	4200
WINCHESTER	209	SR7625	23.5	ACTIV	TG-30	24	1200	4900
WINCHESTER	209	SR7625	25.0	ACTIV	TG-30	24	1255	5500
WINCHESTER	209	SR7625	27.0	ACTIV	TG-30	24	1335	6300

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

** 24 GRAM LOADS ARE 370.4 GRAINS, 7/8 OZ. EQUALS 382.8 GRAINS

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	WIN.	WAA12SL	1	1100	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	WIN.	WAA12SL	1	1150	6900
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	WIN.	WAA12SL	1	1195	7600
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB2100-12	1	1110	6000
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2100-12	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2100-12	1	1200	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1245	7900
FEDERAL	209A	"HI-SKOR" 700-X	15.0*	REM.	TGT12	1	1100	5900
FEDERAL	209A	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1145	6500
FEDERAL	209A	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1190	7100
FEDERAL	209A	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1255	8100
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	6100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1155	6700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S0	1	1195	7300
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1250	8200
REMINGTON	209P	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1090	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6600
REMINGTON	209P	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1195	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.0*	WIN.	WAA12SL	1	1260	8400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1095	5300
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1145	5800
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB2100-12	1	1200	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB2100-12	1	1255	7400
REMINGTON	209P	"HI-SKOR" 700-X	16.0*	REM.	TGT12	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	17.0*	REM.	TGT12	1	1155	6200
REMINGTON	209P	"HI-SKOR" 700-X	18.0*	REM.	TGT12	1	1195	6600
REMINGTON	209P	"HI-SKOR" 700-X	19.5*	REM.	TGT12	1	1255	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S0	1	1110	5700
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S0	1	1145	6300
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S0	1	1210	7300
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S0	1	1250	8000
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	WIN.	WAA12SL	1	1105	6000
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	WIN.	WAA12SL	1	1150	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	WIN.	WAA12SL	1	1200	7600
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	WIN.	WAA12SL	1	1250	8500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB2100-12	1	1110	5700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB2100-12	1	1160	6400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB2100-12	1	1200	7000
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB2100-12	1	1260	8100
WINCHESTER	209	"HI-SKOR" 700-X	15.5*	REM.	TGT12	1	1100	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5*	REM.	TGT12	1	1145	6600
WINCHESTER	209	"HI-SKOR" 700-X	17.5*	REM.	TGT12	1	1195	7200
WINCHESTER	209	"HI-SKOR" 700-X	18.5*	REM.	TGT12	1	1245	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S0	1	1105	5900
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S0	1	1155	6700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S0	1	1200	7300
WINCHESTER	209	"HI-SKOR" 700-X	18.5	FED.	12S0	1	1245	7800
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1110	6000
FEDERAL	209A	PB	19.5	WIN.	WAA12SL	1	1155	6600
FEDERAL	209A	PB	21.0	WIN.	WAA12SL	1	1205	7100
FEDERAL	209A	PB	22.5	WIN.	WAA12SL	1	1255	7600
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1100	4600
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1150	5100
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1205	5700
FEDERAL	209A	PB	24.0	CB.	CB1100-12	1	1255	6300
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1105	5100
FEDERAL	209A	PB	20.5	REM.	TGT12	1	1140	5500
FEDERAL	209A	PB	22.0	REM.	TGT12	1	1195	6200
FEDERAL	209A	PB	24.0	REM.	TGT12	1	1260	6800
FEDERAL	209A	PB	19.5	FED.	12S3	1	1105	5400
FEDERAL	209A	PB	20.5	FED.	12S3	1	1145	5900
FEDERAL	209A	PB	22.0	FED.	12S3	1	1210	6700
FEDERAL	209A	PB	23.0	FED.	12S3	1	1260	7100
REMINGTON	209P	PB	20.0	WIN.	WAA12SL	1	1095	4700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	1	1155	5300
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1195	5800
REMINGTON	209P	PB	24.0	WIN.	WAA12SL	1	1260	6600
REMINGTON	209P	PB	21.0	CB.	CB1100-12	1	1095	3800
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1140	4300
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1200	5000
REMINGTON	209P	PB	25.0	CB.	CB1100-12	1	1255	5600

*INSERT ONE 20 GA 0.135 IN CARD IN BOTTOM OF SHOTCUP

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
REMINGTON	209P	PB	20.5	REM.	TGT12	1	1090	4300
REMINGTON	209P	PB	22.0	REM.	TGT12	1	1160	5200
REMINGTON	209P	PB	23.0	REM.	TGT12	1	1205	5700
REMINGTON	209P	PB	24.0	REM.	TGT12	1	1250	6300
REMINGTON	209P	PB	20.0	FED.	12S3	1	1105	5200
REMINGTON	209P	PB	21.0	FED.	12S3	1	1150	5700
REMINGTON	209P	PB	22.5	FED.	12S3	1	1210	6600
REMINGTON	209P	PB	23.5	FED.	12S3	1	1250	7200
WINCHESTER	209	PB	19.5	WIN.	WAA12SL	1	1090	4900
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	1	1150	5400
WINCHESTER	209	PB	22.5	WIN.	WAA12SL	1	1205	6000
WINCHESTER	209	PB	24.0	WIN.	WAA12SL	1	1265	6700
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1100	4300
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1145	4800
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1205	5400
WINCHESTER	209	PB	24.5	CB.	CB1100-12	1	1260	6100
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1110	5300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1155	5900
WINCHESTER	209	PB	22.0	REM.	TGT12	1	1205	6500
WINCHESTER	209	PB	23.5	REM.	TGT12	1	1255	7000
WINCHESTER	209	PB	19.5	FED.	12S3	1	1105	5100
WINCHESTER	209	PB	21.0	FED.	12S3	1	1155	5800
WINCHESTER	209	PB	22.5	FED.	12S3	1	1210	6500
WINCHESTER	209	PB	23.5	FED.	12S3	1	1250	6900
FEDERAL	209A	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1160	5200
FEDERAL	209A	SR7625	24.5	WIN.	WAA12SL	1	1210	5900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12SL	1	1265	6600
FEDERAL	209A	SR7625	22.5	CB.	CB2100-12	1	1090	4200
FEDERAL	209A	SR7625	23.5	CB.	CB2100-12	1	1140	4700
FEDERAL	209A	SR7625	25.0	CB.	CB2100-12	1	1200	5300
FEDERAL	209A	SR7625	26.0	CB.	CB2100-12	1	1250	5800
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1100	4200
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1145	4800
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1190	5500
FEDERAL	209A	SR7625	25.5	REM.	TGT12	1	1250	6200
FEDERAL	209A	SR7625	22.0	FED.	12S3	1	1090	4500
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1160	5400
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1210	6000
FEDERAL	209A	SR7625	25.5	FED.	12S3	1	1255	6600
WINCHESTER	209	SR7625	22.5	WIN.	WAA12SL	1	1105	4600
WINCHESTER	209	SR7625	23.5	WIN.	WAA12SL	1	1150	4900
WINCHESTER	209	SR7625	25.0	WIN.	WAA12SL	1	1210	5300
WINCHESTER	209	SR7625	26.0	WIN.	WAA12SL	1	1250	5600
WINCHESTER	209	SR7625	22.0	CB.	CB2100-12	1	1095	4300
WINCHESTER	209	SR7625	23.5	CB.	CB2100-12	1	1145	4600
WINCHESTER	209	SR7625	25.0	CB.	CB2100-12	1	1195	4900
WINCHESTER	209	SR7625	26.5	CB.	CB2100-12	1	1245	5200
WINCHESTER	209	SR7625	22.5	REM.	TGT12	1	1105	4300
WINCHESTER	209	SR7625	23.5	REM.	TGT12	1	1145	4700
WINCHESTER	209	SR7625	25.0	REM.	TGT12	1	1205	5400
WINCHESTER	209	SR7625	26.0	REM.	TGT12	1	1245	5900
WINCHESTER	209	SR7625	21.5	FED.	12S3	1	1110	4700
WINCHESTER	209	SR7625	22.5	FED.	12S3	1	1150	5200
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1210	5900
WINCHESTER	209	SR7625	25.5	FED.	12S3	1	1255	6600
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7700
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1150	8600
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1200	9500
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1160	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1250	9600
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1100	7200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1150	8100
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1205	9100
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	TGT12	1	1245	10000
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1095	8000
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	11200
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1100	7300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1255	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1105	6500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1260	9400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1090	6600
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7500
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7400
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8300
REMINGTON	209P	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10600
WINCHESTER	209	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7400
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	1	1160	8300
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1205	9300
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10300
WINCHESTER	209	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1095	6300
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1150	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1195	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1240	9200
WINCHESTER	209	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	7300
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1195	8700
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1255	9800
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1135	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	10100
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1255	11100
FEDERAL	209A	PB	18.0	WIN.	WAA12SL	1	1115	7000
FEDERAL	209A	PB	19.0	WIN.	WAA12SL	1	1150	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12SL	1	1200	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12SL	1	1255	8900
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5700
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1155	6600
FEDERAL	209A	PB	21.0	CB.	CB1100-12	1	1195	7200
FEDERAL	209A	PB	22.5	CB.	CB1100-12	1	1255	8000
FEDERAL	209A	PB	18.5	REM.	TGT12	1	1105	6200
FEDERAL	209A	PB	19.5	REM.	TGT12	1	1145	6700
FEDERAL	209A	PB	21.0	REM.	TGT12	1	1200	7400
FEDERAL	209A	PB	22.5	REM.	TGT12	1	1255	8200
FEDERAL	209A	PB	18.0	FED.	12S3	1	1100	6500
FEDERAL	209A	PB	19.0	FED.	12S3	1	1140	7200
FEDERAL	209A	PB	20.5	FED.	12S3	1	1200	8300
FEDERAL	209A	PB	22.0	FED.	12S3	1	1260	9300
REMINGTON	209P	PB	18.0	WIN.	WAA12SL	1	1095	6500
REMINGTON	209P	PB	19.5	WIN.	WAA12SL	1	1150	7200
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	1	1190	7700
REMINGTON	209P	PB	22.5	WIN.	WAA12SL	1	1265	8700
REMINGTON	209P	PB	19.5	CB.	CB1100-12	1	1100	5100
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5700
REMINGTON	209P	PB	21.5	CB.	CB1100-12	1	1190	6200
REMINGTON	209P	PB	23.0	CB.	CB1100-12	1	1250	7200
REMINGTON	209P	PB	19.0	REM.	TGT12	1	1110	5700
REMINGTON	209P	PB	20.0	REM.	TGT12	1	1150	6300
REMINGTON	209P	PB	21.5	REM.	TGT12	1	1210	7100
REMINGTON	209P	PB	22.5	REM.	TGT12	1	1250	7600
REMINGTON	209P	PB	18.5	FED.	12S3	1	1095	6100
REMINGTON	209P	PB	20.0	FED.	12S3	1	1155	7100
REMINGTON	209P	PB	21.0	FED.	12S3	1	1200	7800
REMINGTON	209P	PB	22.5	FED.	12S3	1	1260	8500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1100	5900
WINCHESTER	209	PB	19.5	WIN.	WAA12	1	1140	6500
WINCHESTER	209	PB	21.0	WIN.	WAA12	1	1195	7300
WINCHESTER	209	PB	22.5	WIN.	WAA12	1	1255	8100
WINCHESTER	209	PB	19.5	CB.	CB1100-12	1	1105	5400
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1150	5900
WINCHESTER	209	PB	21.5	CB.	CB1100-12	1	1195	6400
WINCHESTER	209	PB	23.0	CB.	CB1100-12	1	1250	7100
WINCHESTER	209	PB	19.0	REM.	TGT12	1	1100	5700
WINCHESTER	209	PB	20.0	REM.	TGT12	1	1145	6300
WINCHESTER	209	PB	21.0	REM.	TGT12	1	1190	6800
WINCHESTER	209	PB	22.5	REM.	TGT12	1	1255	7700
WINCHESTER	209	PB	19.0	FED.	12S3	1	1110	6300
WINCHESTER	209	PB	20.0	FED.	12S3	1	1150	7000
WINCHESTER	209	PB	21.0	FED.	12S3	1	1195	7700
WINCHESTER	209	PB	22.5	FED.	12S3	1	1255	8700
FEDERAL	209A	SR7625	19.0	WIN.	WAA12SL	1	1095	4200
FEDERAL	209A	SR7625	20.5	WIN.	WAA12SL	1	1150	5700
FEDERAL	209A	SR7625	22.0	WIN.	WAA12SL	1	1205	7200
FEDERAL	209A	SR7625	23.5	WIN.	WAA12SL	1	1260	8500
FEDERAL	209A	SR7625	20.5	CB.	CB1100-12	1	1090	5000
FEDERAL	209A	SR7625	22.0	CB.	CB1100-12	1	1150	5900
FEDERAL	209A	SR7625	23.0	CB.	CB1100-12	1	1195	6500
FEDERAL	209A	SR7625	24.5	CB.	CB1100-12	1	1255	7400
FEDERAL	209A	SR7625	20.5	REM.	TGT12	1	1095	5300
FEDERAL	209A	SR7625	22.0	REM.	TGT12	1	1160	6300
FEDERAL	209A	SR7625	23.0	REM.	TGT12	1	1200	6900
FEDERAL	209A	SR7625	24.0	REM.	TGT12	1	1245	7400
FEDERAL	209A	SR7625	20.0	FED.	12S3	1	1095	6100
FEDERAL	209A	SR7625	21.0	FED.	12S3	1	1140	6700
FEDERAL	209A	SR7625	22.5	FED.	12S3	1	1205	7600
FEDERAL	209A	SR7625	23.5	FED.	12S3	1	1250	8300
REMINGTON	209P	SR7625	21.0	WIN.	WAA12SL	1	1100	5800
REMINGTON	209P	SR7625	22.0	WIN.	WAA12SL	1	1150	6200
REMINGTON	209P	SR7625	23.0	WIN.	WAA12SL	1	1195	6800
REMINGTON	209P	SR7625	24.5	WIN.	WAA12SL	1	1260	8100
REMINGTON	209P	SR7625	22.0	CB.	CB1100-12	1	1110	4700
REMINGTON	209P	SR7625	23.0	CB.	CB1100-12	1	1155	5100
REMINGTON	209P	SR7625	24.0	CB.	CB1100-12	1	1200	5500
REMINGTON	209P	SR7625	25.0	CB.	CB1100-12	1	1250	5900
REMINGTON	209P	SR7625	21.5	REM.	TGT12	1	1110	5100
REMINGTON	209P	SR7625	22.5	REM.	TGT12	1	1155	5700
REMINGTON	209P	SR7625	23.5	REM.	TGT12	1	1195	6200
REMINGTON	209P	SR7625	25.0	REM.	TGT12	1	1255	7000
REMINGTON	209P	SR7625	20.0	FED.	12S3	1	1105	6000
REMINGTON	209P	SR7625	21.0	FED.	12S3	1	1140	6300
REMINGTON	209P	SR7625	22.5	FED.	12S3	1	1190	6900
REMINGTON	209P	SR7625	24.0	FED.	12S3	1	1260	7800
WINCHESTER	209	SR7625	20.0	WIN.	WAA12SL	1	1105	5700
WINCHESTER	209	SR7625	21.5	WIN.	WAA12SL	1	1150	6100
WINCHESTER	209	SR7625	23.0	WIN.	WAA12SL	1	1200	6700
WINCHESTER	209	SR7625	24.0	WIN.	WAA12SL	1	1250	7200
WINCHESTER	209	SR7625	21.0	CB.	CB1100-12	1	1090	4600
WINCHESTER	209	SR7625	22.5	CB.	CB1100-12	1	1150	5100
WINCHESTER	209	SR7625	24.0	CB.	CB1100-12	1	1195	5500
WINCHESTER	209	SR7625	25.5	CB.	CB1100-12	1	1250	5900
WINCHESTER	209	SR7625	21.0	REM.	TGT12	1	1105	5300
WINCHESTER	209	SR7625	22.0	REM.	TGT12	1	1145	5700
WINCHESTER	209	SR7625	23.0	REM.	TGT12	1	1190	6300
WINCHESTER	209	SR7625	24.5	REM.	TGT12	1	1260	7100
WINCHESTER	209	SR7625	21.0	FED.	12S3	1	1100	5300
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1145	6000
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1195	6800
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1250	7900
SHELL: REMINGTON GUN CLUB								
CHEDDITE	209	HI-SKOR 700X	16.0	REM.	TGT12	1	1183	8800
CHEDDITE	209	HI-SKOR 700X	17.5	REM.	TGT12	1	1237	9500
CHEDDITE	209	HI-SKOR 700X	16.0	WIN.	12SL	1	1183	9400
CHEDDITE	209	HI-SKOR 700X	17.0	WIN.	12SL	1	1234	10200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON GUN CLUB								
REMINGTON	STS	HI-SKOR 700X	16.0	REM.	TGT12	1	1181	8300
REMINGTON	STS	HI-SKOR 700X	17.0	REM.	TGT12	1	1235	9400
REMINGTON	STS	HI-SKOR 700X	16.0	WIN.	12SL	1	1184	9100
REMINGTON	STS	HI-SKOR 700X	17.0	WIN.	12SL	1	1237	10300
WINCHESTER	209	HI-SKOR 700X	16.0	REM.	TGT12	1	1180	9100
WINCHESTER	209	HI-SKOR 700X	17.5	REM.	TGT12	1	1237	9600
WINCHESTER	209	HI-SKOR 700X	16.0	WIN.	12SL	1	1184	8700
WINCHESTER	209	HI-SKOR 700X	17.5	WIN.	12SL	1	1234	10000
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1110	7300
FEDERAL	209A	"HI-SKOR" 700X	16.0	WIN.	WAA12SL	1	1155	8000
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	1	1195	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	1	1255	9700
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB.	CB1100-12	1	1100	6300
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1145	7000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB.	CB1100-12	1	1205	8000
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB.	CB1100-12	1	1250	8700
FEDERAL	209A	"HI-SKOR" 700-X	15.0	REM.	TGT12	1	1110	6900
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	1	1155	7500
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	1	1195	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.5	REM.	TGT12	1	1260	9400
FEDERAL	209A	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1090	7900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1210	9900
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12SL	1	1095	6400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1155	7000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1210	7600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WIN.	WAA12SL	1	1245	8000
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB1100-12	1	1110	5000
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1150	5600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1190	6100
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB.	CB1100-12	1	1250	7000
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1105	5800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1140	6200
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1205	7100
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	TGT12	1	1250	7700
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	1	1105	7100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	1	1160	7900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	1	1200	8600
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	1	1250	9300
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA12SL	1	1105	7500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12SL	1	1145	8200
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	1	1195	9000
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	1	1250	10100
WINCHESTER	209	"HI-SKOR" 700-X	14.5	CB.	CB1100-12	1	1090	6500
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1100-12	1	1140	7400
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB1100-12	1	1205	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.0	CB.	CB1100-12	1	1245	9300
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	TGT12	1	1095	6700
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	TGT12	1	1140	7400
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	TGT12	1	1190	8200
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	TGT12	1	1250	9400
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	12S3	1	1100	8200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	1	1140	8800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	1	1205	9700
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	1	1250	10500
FEDERAL	209A	PB	18.5	WIN.	WAA12	1	1110	6200
FEDERAL	209A	PB	19.5	WIN.	WAA12	1	1150	6900
FEDERAL	209A	PB	21.0	WIN.	WAA12	1	1210	7900
FEDERAL	209A	PB	22.5	WIN.	WAA12	1	1260	8600
FEDERAL	209A	PB	18.5	CB.	CB1100-12	1	1095	5200
FEDERAL	209A	PB	20.0	CB.	CB1100-12	1	1145	5800
FEDERAL	209A	PB	21.5	CB.	CB1100-12	1	1200	6400
FEDERAL	209A	PB	23.0	CB.	CB1100-12	1	1260	7200
FEDERAL	209A	PB	18.5	REM.	FIG8	1	1095	5300
FEDERAL	209A	PB	20.0	REM.	FIG8	1	1150	6100
FEDERAL	209A	PB	21.0	REM.	FIG8	1	1190	6600
FEDERAL	209A	PB	22.5	REM.	FIG8	1	1250	7400

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
FEDERAL	209A	PB	18.0	FED.	12S3	1	1095	6100
FEDERAL	209A	PB	19.5	FED.	12S3	1	1155	7200
FEDERAL	209A	PB	20.5	FED.	12S3	1	1195	7900
FEDERAL	209A	PB	22.0	FED.	12S3	1	1255	8900
REMINGTON	209P	PB	19.0	WIN.	WAA12	1	1110	5700
REMINGTON	209P	PB	20.0	WIN.	WAA12	1	1145	6200
REMINGTON	209P	PB	21.5	WIN.	WAA12	1	1205	7100
REMINGTON	209P	PB	22.5	WIN.	WAA12	1	1250	7700
REMINGTON	209P	PB	19.0	CB.	CB1100-12	1	1100	4600
REMINGTON	209P	PB	20.5	CB.	CB1100-12	1	1150	5100
REMINGTON	209P	PB	22.0	CB.	CB1100-12	1	1200	5700
REMINGTON	209P	PB	23.5	CB.	CB1100-12	1	1260	6500
REMINGTON	209P	PB	19.0	REM.	FIG8	1	1085	4500
REMINGTON	209P	PB	21.0	REM.	FIG8	1	1150	5300
REMINGTON	209P	PB	22.0	REM.	FIG8	1	1190	5700
REMINGTON	209P	PB	23.5	REM.	FIG8	1	1255	6700
REMINGTON	209P	PB	19.0	FED.	12S3	1	1095	5100
REMINGTON	209P	PB	20.5	FED.	12S3	1	1150	6000
REMINGTON	209P	PB	22.0	FED.	12S3	1	1205	6900
REMINGTON	209P	PB	23.5	FED.	12S3	1	1260	7600
WINCHESTER	209	PB	18.5	WIN.	WAA12	1	1105	5900
WINCHESTER	209	PB	20.0	WIN.	WAA12	1	1150	6500
WINCHESTER	209	PB	21.5	WIN.	WAA12	1	1200	7100
WINCHESTER	209	PB	23.0	WIN.	WAA12	1	1260	7900
WINCHESTER	209	PB	19.0	CB.	CB1100-12	1	1110	5100
WINCHESTER	209	PB	20.5	CB.	CB1100-12	1	1140	5600
WINCHESTER	209	PB	22.0	CB.	CB1100-12	1	1190	6100
WINCHESTER	209	PB	23.5	CB.	CB1100-12	1	1255	6600
WINCHESTER	209	PB	18.0	REM.	TGT12	1	1095	4800
WINCHESTER	209	PB	19.5	REM.	TGT12	1	1140	5600
WINCHESTER	209	PB	21.5	REM.	TGT12	1	1200	6700
WINCHESTER	209	PB	23.0	REM.	TGT12	1	1260	7500
WINCHESTER	209	PB	19.0	REM.	FIG8	1	1100	5400
WINCHESTER	209	PB	20.0	REM.	FIG8	1	1140	5800
WINCHESTER	209	PB	21.5	REM.	FIG8	1	1195	6500
WINCHESTER	209	PB	23.0	REM.	FIG8	1	1255	7200
WINCHESTER	209	PB	19.0	FED.	12S3	1	1105	5900
WINCHESTER	209	PB	20.5	FED.	12S3	1	1160	6800
WINCHESTER	209	PB	21.5	FED.	12S3	1	1200	7400
WINCHESTER	209	PB	23.0	FED.	12S3	1	1250	8100
FEDERAL	209A	SR7625	20.0	WIN.	WAA12	1	1095	6000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	1	1145	6300
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	1	1205	6900
FEDERAL	209A	SR7625	25.0	WIN.	WAA12	1	1260	7400
FEDERAL	209A	SR7625	21.0	CB.	CB1118-12	1	1100	4600
FEDERAL	209A	SR7625	22.0	CB.	CB1118-12	1	1145	5200
FEDERAL	209A	SR7625	23.5	CB.	CB1118-12	1	1210	6200
FEDERAL	209A	SR7625	24.5	CB.	CB1118-12	1	1250	6700
FEDERAL	209A	SR7625	21.5	REM.	RXP12	1	1110	5000
FEDERAL	209A	SR7625	22.5	REM.	RXP12	1	1150	5400
FEDERAL	209A	SR7625	23.5	REM.	RXP12	1	1190	5900
FEDERAL	209A	SR7625	25.0	REM.	RXP12	1	1250	6700
FEDERAL	209A	SR7625	20.5	FED.	12S3	1	1110	5400
FEDERAL	209A	SR7625	21.5	FED.	12S3	1	1145	5900
FEDERAL	209A	SR7625	23.0	FED.	12S3	1	1200	6600
FEDERAL	209A	SR7625	24.5	FED.	12S3	1	1255	7300
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	1	1105	5000
REMINGTON	209P	SR7625	22.5	WIN.	WAA12	1	1150	5700
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	1	1195	6200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12	1	1255	7100
REMINGTON	209P	SR7625	22.5	CB.	CB1118-12	1	1110	4400
REMINGTON	209P	SR7625	23.5	CB.	CB1118-12	1	1145	4700
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	1	1190	5300
REMINGTON	209P	SR7625	26.0	CB.	CB1118-12	1	1265	6300

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
REMINGTON	209P	SR7625	22.5	REM.	RXP12	1	1100	4200
REMINGTON	209P	SR7625	23.5	REM.	RXP12	1	1145	4700
REMINGTON	209P	SR7625	24.5	REM.	RXP12	1	1190	5200
REMINGTON	209P	SR7625	25.5	REM.	RXP12	1	1245	6000
REMINGTON	209P	SR7625	22.0	FED.	12S3	1	1095	4500
REMINGTON	209P	SR7625	23.5	FED.	12S3	1	1160	5300
REMINGTON	209P	SR7625	24.5	FED.	12S3	1	1210	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	1	1265	6900
WINCHESTER	209	SR7625	21.5	WIN.	WAA12	1	1095	4900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	1	1150	5500
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	1	1190	5800
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1	1255	6600
WINCHESTER	209	SR7625	22.0	CB.	CB1118-12	1	1095	4500
WINCHESTER	209	SR7625	23.5	CB.	CB1118-12	1	1150	5100
WINCHESTER	209	SR7625	25.0	CB.	CB1118-12	1	1210	5800
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1	1250	6200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1	1095	4600
WINCHESTER	209	SR7625	23.5	REM.	RXP12	1	1140	5000
WINCHESTER	209	SR7625	25.0	REM.	RXP12	1	1200	5700
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1	1245	6200
WINCHESTER	209	SR7625	22.0	FED.	12S3	1	1105	5300
WINCHESTER	209	SR7625	23.0	FED.	12S3	1	1155	5900
WINCHESTER	209	SR7625	24.0	FED.	12S3	1	1205	6500
WINCHESTER	209	SR7625	25.0	FED.	12S3	1	1250	7100

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1150	8700
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12SL	11/8	1190	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1250	10600
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1110	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1155	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CB.	CB2118-12	11/8	1195	9500
FEDERAL	209A	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1260	10800
FEDERAL	209A	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1100	7400
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1145	8200
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	TGT12	11/8	1190	9100
FEDERAL	209A	"HI-SKOR" 700-X	19.5	REM.	TGT12	11/8	1250	10500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7900
FEDERAL	209A	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1145	8600
FEDERAL	209A	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1205	9500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1260	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA12SL	11/8	1110	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12SL	11/8	1155	8200
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12SL	11/8	1255	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1095	7200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1140	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1195	8700
REMINGTON	209P	"HI-SKOR" 700-X	20.0	CB.	CB2118-12	11/8	1250	9600
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	REM.	TGT12	11/8	1150	7800
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1190	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1250	9500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1095	7500
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1155	8300
REMINGTON	209P	"HI-SKOR" 700-X	18.5	FED.	12S3	11/8	1190	8900
REMINGTON	209P	"HI-SKOR" 700-X	20.0	FED.	12S3	11/8	1250	9800
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA12SL	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	WIN.	WAA12SL	11/8	1145	7900
WINCHESTER	209	"HI-SKOR" 700-X	18.5	WIN.	WAA12SL	11/8	1205	9100
WINCHESTER	209	"HI-SKOR" 700-X	19.5	WIN.	WAA12SL	11/8	1245	9900
WINCHESTER	209	"HI-SKOR" 700-X	16.0	CB.	CB2118-12	11/8	1100	7200
WINCHESTER	209	"HI-SKOR" 700-X	17.0	CB.	CB2118-12	11/8	1145	7900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CB.	CB2118-12	11/8	1205	9200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	CB.	CB2118-12	11/8	1245	10000
WINCHESTER	209	"HI-SKOR" 700-X	16.0	REM.	TGT12	11/8	1095	6800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	REM.	TGT12	11/8	1140	7500
WINCHESTER	209	"HI-SKOR" 700-X	18.5	REM.	TGT12	11/8	1195	8600
WINCHESTER	209	"HI-SKOR" 700-X	20.0	REM.	TGT12	11/8	1255	9600
WINCHESTER	209	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1105	7800
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FED.	12S3	11/8	1150	8500
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9400
WINCHESTER	209	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1255	10700
FEDERAL	209A	PB	19.5	WIN.	WAA12	11/8	1095	6100
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1150	7000
FEDERAL	209A	PB	22.5	WIN.	WAA12	11/8	1205	7900
FEDERAL	209A	PB	24.0	WIN.	WAA12	11/8	1260	8800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1105	5900
FEDERAL	209A	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
FEDERAL	209A	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7200
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1250	7800
FEDERAL	209A	PB	20.0	CB.	CB1118-12	11/8	1105	6000
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1140	6400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1195	7100
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1250	8000
FEDERAL	209A	PB	20.0	REM.	FIG8	11/8	1095	6000
FEDERAL	209A	PB	21.5	REM.	FIG8	11/8	1145	6600
FEDERAL	209A	PB	23.0	REM.	FIG8	11/8	1200	7300
FEDERAL	209A	PB	24.5	REM.	FIG8	11/8	1255	8000
FEDERAL	209A	PB	19.5	FED.	12S3	11/8	1095	6600
FEDERAL	209A	PB	21.0	FED.	12S3	11/8	1140	7100
FEDERAL	209A	PB	22.5	FED.	12S3	11/8	1190	7600
FEDERAL	209A	PB	24.0	FED.	12S3	11/8	1255	8700
REMINGTON	209P	PB	20.5	WIN.	WAA12SL	11/8	1095	5700
REMINGTON	209P	PB	21.5	WIN.	WAA12SL	11/8	1140	6400
REMINGTON	209P	PB	23.0	WIN.	WAA12SL	11/8	1195	7300
REMINGTON	209P	PB	25.0	WIN.	WAA12SL	11/8	1260	8000
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1095	5000
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1155	5900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1205	6400
REMINGTON	209P	PB	25.5	WTW.	WINDJAMMER	11/8	1250	6900
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1105	5800
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1150	6300
REMINGTON	209P	PB	23.5	CB.	CB1118-12	11/8	1200	7000
REMINGTON	209P	PB	25.0	CB.	CB1118-12	11/8	1265	8000
REMINGTON	209P	PB	21.0	REM.	FIG8	11/8	1100	5500
REMINGTON	209P	PB	22.5	REM.	FIG8	11/8	1155	6100
REMINGTON	209P	PB	23.5	REM.	FIG8	11/8	1190	6600
REMINGTON	209P	PB	25.0	REM.	FIG8	11/8	1245	7500
REMINGTON	209P	PB	20.5	FED.	12S3	11/8	1100	6000
REMINGTON	209P	PB	22.0	FED.	12S3	11/8	1155	6500
REMINGTON	209P	PB	23.0	FED.	12S3	11/8	1190	7000
REMINGTON	209P	PB	25.0	FED.	12S3	11/8	1265	8400
WINCHESTER	209	PB	21.0	WIN.	WAA12SL	11/8	1100	6000
WINCHESTER	209	PB	22.0	WIN.	WAA12SL	11/8	1140	6600
WINCHESTER	209	PB	23.5	WIN.	WAA12SL	11/8	1200	7500
WINCHESTER	209	PB	25.0	WIN.	WAA12SL	11/8	1255	8200
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1105	5500
WINCHESTER	209	PB	22.0	WTW.	WINDJAMMER	11/8	1145	6000
WINCHESTER	209	PB	23.5	WTW.	WINDJAMMER	11/8	1205	7000
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1250	7700
WINCHESTER	209	PB	20.5	CB.	CB1118-12	11/8	1100	5800
WINCHESTER	209	PB	22.0	CB.	CB1118-12	11/8	1150	6400
WINCHESTER	209	PB	23.5	CB.	CB1118-12	11/8	1200	7000
WINCHESTER	209	PB	25.0	CB.	CB1118-12	11/8	1245	7600
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1105	5900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1140	6300

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1200	7000
WINCHESTER	209	PB	25.0	REM.	FIG8	11/8	1255	7800
WINCHESTER	209	PB	20.5	FED.	12S3	11/8	1090	6100
WINCHESTER	209	PB	22.0	FED.	12S3	11/8	1150	7000
WINCHESTER	209	PB	23.0	FED.	12S3	11/8	1190	7600
WINCHESTER	209	PB	24.5	FED.	12S3	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	WIN.	WAA12	11/8	1100	6100
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1155	6700
FEDERAL	209A	SR7625	24.5	WIN.	WAA12	11/8	1200	7400
FEDERAL	209A	SR7625	26.0	WIN.	WAA12	11/8	1265	8200
FEDERAL	209A	SR7625	23.0	WTW	WINDJAMMER	11/8	1105	5100
FEDERAL	209A	SR7625	24.0	WTW	WINDJAMMER	11/8	1140	5600
FEDERAL	209A	SR7625	25.5	WTW	WINDJAMMER	11/8	1200	6400
FEDERAL	209A	SR7625	27.0	WTW	WINDJAMMER	11/8	1265	7400
FEDERAL	209A	SR7625	22.0	CB.	CB2118-12	11/8	1095	5700
FEDERAL	209A	SR7625	23.5	CB.	CB2118-12	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	CB.	CB2118-12	11/8	1195	6800
FEDERAL	209A	SR7625	26.0	CB.	CB2118-12	11/8	1250	7700
FEDERAL	209A	SR7625	22.5	REM.	FIG8	11/8	1090	5300
FEDERAL	209A	SR7625	24.0	REM.	FIG8	11/8	1140	5700
FEDERAL	209A	SR7625	25.5	REM.	FIG8	11/8	1205	6600
FEDERAL	209A	SR7625	26.5	REM.	FIG8	11/8	1245	7100
FEDERAL	209A	SR7625	22.0	FED.	12S3	11/8	1090	5600
FEDERAL	209A	SR7625	23.5	FED.	12S3	11/8	1150	6400
FEDERAL	209A	SR7625	24.5	FED.	12S3	11/8	1190	6900
FEDERAL	209A	SR7625	26.5	FED.	12S3	11/8	1260	7700
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1100	5600
REMINGTON	209P	SR7625	23.5	WIN.	WAA12	11/8	1145	6000
REMINGTON	209P	SR7625	25.5	WIN.	WAA12	11/8	1205	6600
REMINGTON	209P	SR7625	27.5	WIN.	WAA12	11/8	1255	7200
REMINGTON	209P	SR7625	24.0	WTW	WINDJAMMER	11/8	1095	4300
REMINGTON	209P	SR7625	25.5	WTW	WINDJAMMER	11/8	1140	4700
REMINGTON	209P	SR7625	27.0	WTW	WINDJAMMER	11/8	1200	5400
REMINGTON	209P	SR7625	28.5	WTW	WINDJAMMER	11/8	1265	6100
REMINGTON	209P	SR7625	22.5	CB.	CB2118-12	11/8	1105	5300
REMINGTON	209P	SR7625	24.5	CB.	CB2118-12	11/8	1150	5900
REMINGTON	209P	SR7625	26.0	CB.	CB2118-12	11/8	1205	6600
REMINGTON	209P	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
REMINGTON	209P	SR7625	24.0	REM.	FIG8	11/8	1100	5000
REMINGTON	209P	SR7625	25.5	REM.	FIG8	11/8	1155	5700
REMINGTON	209P	SR7625	27.0	REM.	FIG8	11/8	1205	6000
REMINGTON	209P	SR7625	28.5	REM.	FIG8	11/8	1260	6300
REMINGTON	209P	SR7625	23.0	FED.	12S3	11/8	1095	5200
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1155	6000
REMINGTON	209P	SR7625	25.5	FED.	12S3	11/8	1195	6400
REMINGTON	209P	SR7625	27.0	FED.	12S3	11/8	1255	7400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	11/8	1100	5600
WINCHESTER	209	SR7625	24.0	WIN.	WAA12	11/8	1155	6200
WINCHESTER	209	SR7625	25.0	WIN.	WAA12	11/8	1190	6600
WINCHESTER	209	SR7625	26.5	WIN.	WAA12	11/8	1250	7400
WINCHESTER	209	SR7625	23.0	WTW	WINDJAMMER	11/8	1095	4900
WINCHESTER	209	SR7625	24.5	WTW	WINDJAMMER	11/8	1140	5400
WINCHESTER	209	SR7625	26.0	WTW	WINDJAMMER	11/8	1200	6200
WINCHESTER	209	SR7625	27.0	WTW	WINDJAMMER	11/8	1245	6900
WINCHESTER	209	SR7625	22.5	CB.	CB2118-12	11/8	1095	5400
WINCHESTER	209	SR7625	24.0	CB.	CB2118-12	11/8	1150	6000
WINCHESTER	209	SR7625	25.5	CB.	CB2118-12	11/8	1200	6700
WINCHESTER	209	SR7625	27.0	CB.	CB2118-12	11/8	1250	7300
WINCHESTER	209	SR7625	23.0	REM.	FIG8	11/8	1095	5200
WINCHESTER	209	SR7625	24.5	REM.	FIG8	11/8	1150	5800
WINCHESTER	209	SR7625	25.5	REM.	FIG8	11/8	1190	6300
WINCHESTER	209	SR7625	27.0	REM.	FIG8	11/8	1250	7100
WINCHESTER	209	SR7625	23.0	FED.	12S3	11/8	1100	5400
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1155	6200
WINCHESTER	209	SR7625	25.5	FED.	12S3	11/8	1195	6700
WINCHESTER	209	SR7625	27.0	FED.	12S3	11/8	1255	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1105	5200
CCI	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1145	5600
CCI	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	11/8	1265	7100
CCI	209	"HI-SKOR" 800-X	22.5	WTW	WINDJAMMER	11/8	1100	4200

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
CCI	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1145	4800
CCI	209	"HI-SKOR" 800-X	25.0	WTW	WINDJAMMER	11/8	1205	5700
CCI	209	"HI-SKOR" 800-X	26.0	WTW	WINDJAMMER	11/8	1250	6300
CCI	209	"HI-SKOR" 800-X	21.5	CB	CB2118-12	11/8	1095	5000
CCI	209	"HI-SKOR" 800-X	23.0	CB	CB2118-12	11/8	1145	5500
CCI	209	"HI-SKOR" 800-X	24.5	CB	CB2118-12	11/8	1205	6200
CCI	209	"HI-SKOR" 800-X	26.0	CB	CB2118-12	11/8	1265	6800
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG 8	11/8	1105	5500
CCI	209	"HI-SKOR" 800-X	22.5	REM.	FIG 8	11/8	1150	5900
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG 8	11/8	1200	6300
CCI	209	"HI-SKOR" 800-X	26.0	REM.	FIG 8	11/8	1260	6900
CCI	209	"HI-SKOR" 800-X	21.0	FED.	12S3	11/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.5	FED.	12S3	11/8	1155	6400
CCI	209	"HI-SKOR" 800-X	24.0	FED.	12S3	11/8	1200	6800
CCI	209	"HI-SKOR" 800-X	26.0	FED.	12S3	11/8	1260	7300
FEDERAL	209A	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
FEDERAL	209A	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	11/8	1255	7700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1100	4900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1145	5400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	11/8	1190	5900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WTW	WINDJAMMER	11/8	1260	6700
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB	CB2118-12	11/8	1090	5500
FEDERAL	209A	"HI-SKOR" 800-X	22.5	CB	CB2118-12	11/8	1150	6200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB	CB2118-12	11/8	1195	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB	CB2118-12	11/8	1250	7400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	REM.	FIG 8	11/8	1100	5400
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	FIG 8	11/8	1155	6000
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG 8	11/8	1205	6600
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG 8	11/8	1255	7100
FEDERAL	209A	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1090	5700
FEDERAL	209A	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6400
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6900
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S3	11/8	1265	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1100	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1140	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	11/8	1265	7700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW	WINDJAMMER	11/8	1105	4900
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WTW	WINDJAMMER	11/8	1150	5400
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW	WINDJAMMER	11/8	1190	5900
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WTW	WINDJAMMER	11/8	1255	6700
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB	CB2118-12	11/8	1095	5500
WINCHESTER	209	"HI-SKOR" 800-X	22.0	CB	CB2118-12	11/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	23.5	CB	CB2118-12	11/8	1200	6700
WINCHESTER	209	"HI-SKOR" 800-X	25.0	CB	CB2118-12	11/8	1260	7400
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG 8	11/8	1100	5400
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG 8	11/8	1140	5900
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG 8	11/8	1200	6500
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	FIG 8	11/8	1255	7100
WINCHESTER	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1095	5700
WINCHESTER	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1155	6300
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1195	6800
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S3	11/8	1250	7500
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1100	9500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1160	10900
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WTW	WINDJAMMER	11/8	1110	8400
FEDERAL	209A	"HI-SKOR" 700-X	16.5	WTW	WINDJAMMER	11/8	1155	9500
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW	WINDJAMMER	11/8	1200	10400
FEDERAL	209A	"HI-SKOR" 700-X	18.5	WTW	WINDJAMMER	11/8	1240	11100
FEDERAL	209A	"HI-SKOR" 700-X	15.5	CB	CB1118-12	11/8	1110	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.5	CB	CB1118-12	11/8	1160	9700
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB	CB1118-12	11/8	1200	10800
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG 8	11/8	1105	8900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1150	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	REM.	FIG8	11/8	1195	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	9300
FEDERAL	209A	"HI-SKOR" 700-X	16.0	FED.	12S3	11/8	1135	10200
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1200	11500
REMINGTON	209P	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	8500
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1140	9600
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1090	7600
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1135	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.0	WTW.	WINDJAMMER	11/8	1200	9600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1245	10500
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1110	8000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1155	8900
REMINGTON	209P	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1195	9800
REMINGTON	209P	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11100
REMINGTON	209P	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8100
REMINGTON	209P	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10400
REMINGTON	209P	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1250	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	FED.	12S3	11/8	1095	8900
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10200
REMINGTON	209P	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1195	11100
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1145	10200
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1100	8000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1255	11100
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1095	7700
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1145	8700
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1190	9800
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1250	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1095	8500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1140	9400
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9800
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	10900
FEDERAL	209A	PB	18.5	WIN.	WAA12	11/8	1100	8200
FEDERAL	209A	PB	20.0	WIN.	WAA12	11/8	1155	9200
FEDERAL	209A	PB	21.0	WIN.	WAA12	11/8	1190	9900
FEDERAL	209A	PB	23.0	WIN.	WAA12	11/8	1260	11000
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6800
FEDERAL	209A	PB	20.5	WTW.	WINDJAMMER	11/8	1145	7500
FEDERAL	209A	PB	22.0	WTW.	WINDJAMMER	11/8	1200	8500
FEDERAL	209A	PB	23.5	WTW.	WINDJAMMER	11/8	1260	9500
FEDERAL	209A	PB	19.0	CB.	CB1118-12	11/8	1100	7300
FEDERAL	209A	PB	20.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	PB	22.0	CB.	CB1118-12	11/8	1205	8700
FEDERAL	209A	PB	23.5	CB.	CB1118-12	11/8	1260	9500
FEDERAL	209A	PB	19.5	REM.	FIG8	11/8	1110	7500
FEDERAL	209A	PB	20.5	REM.	FIG8	11/8	1150	8100
FEDERAL	209A	PB	22.0	REM.	FIG8	11/8	1200	8900
FEDERAL	209A	PB	23.5	REM.	FIG8	11/8	1255	9600
FEDERAL	209A	PB	18.5	FED.	12S4	11/8	1105	8400
FEDERAL	209A	PB	19.5	FED.	12S4	11/8	1140	8800
FEDERAL	209A	PB	21.0	FED.	12S4	11/8	1190	9600
FEDERAL	209A	PB	23.0	FED.	12S4	11/8	1265	10900
REMINGTON	209P	PB	19.5	WIN.	WAA12	11/8	1105	7300
REMINGTON	209P	PB	20.5	WIN.	WAA12	11/8	1145	8000
REMINGTON	209P	PB	22.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	PB	23.5	WIN.	WAA12	11/8	1255	9500
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6300
REMINGTON	209P	PB	21.0	WTW.	WINDJAMMER	11/8	1140	6900
REMINGTON	209P	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7900
REMINGTON	209P	PB	24.0	WTW.	WINDJAMMER	11/8	1265	8900
REMINGTON	209P	PB	19.5	CB.	CB1118-12	11/8	1090	6400

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
REMINGTON	209P	PB	21.0	CB.	CB1118-12	11/8	1150	7400
REMINGTON	209P	PB	22.5	CB.	CB1118-12	11/8	1200	8000
REMINGTON	209P	PB	24.0	CB.	CB1118-12	11/8	1250	8600
REMINGTON	209P	PB	20.0	REM.	FIG8	11/8	1100	6800
REMINGTON	209P	PB	21.5	REM.	FIG8	11/8	1150	7500
REMINGTON	209P	PB	23.0	REM.	FIG8	11/8	1205	8400
REMINGTON	209P	PB	24.5	REM.	FIG8	11/8	1260	9300
REMINGTON	209P	PB	19.0	FED.	12S4	11/8	1100	7700
REMINGTON	209P	PB	20.0	FED.	12S4	11/8	1140	8400
REMINGTON	209P	PB	21.5	FED.	12S4	11/8	1195	9300
REMINGTON	209P	PB	23.0	FED.	12S4	11/8	1245	10000
WINCHESTER	209	PB	19.0	WIN.	WAA12	11/8	1100	7700
WINCHESTER	209	PB	20.0	WIN.	WAA12	11/8	1140	8400
WINCHESTER	209	PB	22.0	WIN.	WAA12	11/8	1205	9400
WINCHESTER	209	PB	23.5	WIN.	WAA12	11/8	1255	10200
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1105	6700
WINCHESTER	209	PB	21.0	WTW.	WINDJAMMER	11/8	1145	7300
WINCHESTER	209	PB	22.5	WTW.	WINDJAMMER	11/8	1205	8200
WINCHESTER	209	PB	24.0	WTW.	WINDJAMMER	11/8	1260	9100
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6700
WINCHESTER	209	PB	21.0	CB.	CB1118-12	11/8	1140	7200
WINCHESTER	209	PB	22.5	CB.	CB1118-12	11/8	1200	8000
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1255	8800
WINCHESTER	209	PB	19.5	REM.	FIG8	11/8	1095	6900
WINCHESTER	209	PB	21.0	REM.	FIG8	11/8	1155	7900
WINCHESTER	209	PB	22.0	REM.	FIG8	11/8	1190	8400
WINCHESTER	209	PB	23.5	REM.	FIG8	11/8	1250	9300
WINCHESTER	209	PB	19.0	FED.	12S4	11/8	1095	7700
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1155	8500
WINCHESTER	209	PB	21.5	FED.	12S4	11/8	1190	9100
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1260	10400
FEDERAL	209A	SR7625	19.5	WIN.	WAA12	11/8	1100	7900
FEDERAL	209A	SR7625	20.5	WIN.	WAA12	11/8	1140	8500
FEDERAL	209A	SR7625	22.0	WIN.	WAA12	11/8	1205	9700
FEDERAL	209A	SR7625	23.0	WIN.	WAA12	11/8	1245	10500
FEDERAL	209A	SR7625	21.0	WTW.	WINDJAMMER	11/8	1105	6500
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1150	7200
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	SR7625	25.0	WTW.	WINDJAMMER	11/8	1255	8400
FEDERAL	209A	SR7625	20.0	CB.	CB1118-12	11/8	1090	6900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1150	7900
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1190	8400
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1250	9200
FEDERAL	209A	SR7625	20.5	REM.	RXP12	11/8	1095	7200
FEDERAL	209A	SR7625	22.0	REM.	RXP12	11/8	1155	8000
FEDERAL	209A	SR7625	23.0	REM.	RXP12	11/8	1190	8600
FEDERAL	209A	SR7625	24.5	REM.	RXP12	11/8	1250	9400
FEDERAL	209A	SR7625	20.0	FED.	12S3	11/8	1095	7300
FEDERAL	209A	SR7625	21.0	FED.	12S3	11/8	1140	8100
FEDERAL	209A	SR7625	22.5	FED.	12S3	11/8	1195	9100
FEDERAL	209A	SR7625	24.0	FED.	12S3	11/8	1250	10000
REMINGTON	209P	SR7625	20.0	WIN.	WAA12	11/8	1090	7100
REMINGTON	209P	SR7625	21.5	WIN.	WAA12	11/8	1150	8000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1200	8700
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1255	9400
REMINGTON	209P	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	6000
REMINGTON	209P	SR7625	23.0	WTW.	WINDJAMMER	11/8	1150	6700
REMINGTON	209P	SR7625	24.0	WTW.	WINDJAMMER	11/8	1195	7300
REMINGTON	209P	SR7625	25.5	WTW.	WINDJAMMER	11/8	1260	8400
REMINGTON	209P	SR7625	20.5	CB.	CB1118-12	11/8	1095	6400
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1155	7400
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1195	8000
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1250	8800
REMINGTON	209P	SR7625	21.0	REM.	RXP12	11/8	1095	6500
REMINGTON	209P	SR7625	22.5	REM.	RXP12	11/8	1150	7400
REMINGTON	209P	SR7625	24.0	REM.	RXP12	11/8	1205	8200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	9000
REMINGTON	209P	SR7625	21.0	FED.	12S3	11/8	1110	7200
REMINGTON	209P	SR7625	22.0	FED.	12S3	11/8	1150	7800
REMINGTON	209P	SR7625	23.5	FED.	12S3	11/8	1210	8700
REMINGTON	209P	SR7625	24.5	FED.	12S3	11/8	1250	9500
WINCHESTER	209	SR7625	20.5	WIN.	WAA12	11/8	1090	7000
WINCHESTER	209	SR7625	22.0	WIN.	WAA12	11/8	1155	7900
WINCHESTER	209	SR7625	23.0	WIN.	WAA12	11/8	1195	8600
WINCHESTER	209	SR7625	24.5	WIN.	WAA12	11/8	1250	9500
WINCHESTER	209	SR7625	21.5	WTW.	WINDJAMMER	11/8	1095	5900
WINCHESTER	209	SR7625	22.5	WTW.	WINDJAMMER	11/8	1140	6500
WINCHESTER	209	SR7625	24.0	WTW.	WINDJAMMER	11/8	1205	7700
WINCHESTER	209	SR7625	25.0	WTW.	WINDJAMMER	11/8	1250	8500
WINCHESTER	209	SR7625	21.0	CB.	CB1118-12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	11/8	1155	7200
WINCHESTER	209	SR7625	23.0	CB.	CB1118-12	11/8	1200	7600
WINCHESTER	209	SR7625	24.5	CB.	CB1118-12	11/8	1245	8600
WINCHESTER	209	SR7625	21.0	REM.	RXP12	11/8	1090	6200
WINCHESTER	209	SR7625	22.5	REM.	RXP12	11/8	1155	7400
WINCHESTER	209	SR7625	23.5	REM.	RXP12	11/8	1195	7900
WINCHESTER	209	SR7625	25.0	REM.	RXP12	11/8	1250	8800
WINCHESTER	209	SR7625	20.5	FED.	12S3	11/8	1090	6700
WINCHESTER	209	SR7625	22.0	FED.	12S3	11/8	1145	7800
WINCHESTER	209	SR7625	23.5	FED.	12S3	11/8	1205	8800
WINCHESTER	209	SR7625	24.5	FED.	12S3	11/8	1255	9600
CCI	209	"HI-SKOR" 800-X	19.5	WIN.	WAA12	11/8	1105	6900
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	11/8	1150	7500
CCI	209	"HI-SKOR" 800-X	21.5	WIN.	WAA12	11/8	1190	8200
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	11/8	1255	9100
CCI	209	"HI-SKOR" 800-X	20.0	WTW.	WINDJAMMER	11/8	1095	6000
CCI	209	"HI-SKOR" 800-X	21.0	WTW.	WINDJAMMER	11/8	1145	6700
CCI	209	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	11/8	1195	7300
CCI	209	"HI-SKOR" 800-X	23.5	WTW.	WINDJAMMER	11/8	1250	8200
CCI	209	"HI-SKOR" 800-X	19.5	CB.	CB1118-12	11/8	1095	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB.	CB1118-12	11/8	1155	7000
CCI	209	"HI-SKOR" 800-X	22.0	CB.	CB1118-12	11/8	1195	7500
CCI	209	"HI-SKOR" 800-X	23.5	CB.	CB1118-12	11/8	1255	8400
CCI	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	11/8	1155	7200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1190	7600
CCI	209	"HI-SKOR" 800-X	24.0	REM.	FIG8	11/8	1265	8700
CCI	209	"HI-SKOR" 800-X	19.5	FED.	12S3	11/8	1100	7000
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	11/8	1140	7600
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	11/8	1200	8500
CCI	209	"HI-SKOR" 800-X	23.5	FED.	12S3	11/8	1260	9400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1095	7200
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1145	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8700
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9700
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WTW.	WINDJAMMER	11/8	1110	6500
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW.	WINDJAMMER	11/8	1160	7200
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	11/8	1205	7900
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW.	WINDJAMMER	11/8	1250	8600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	CB.	CB1118-12	11/8	1105	6800
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB.	CB1118-12	11/8	1150	7500
FEDERAL	209A	"HI-SKOR" 800-X	21.5	CB.	CB1118-12	11/8	1200	8200
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB.	CB1118-12	11/8	1250	9000
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1100	6900
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7500
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1200	8400
FEDERAL	209A	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1260	9200
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1100	7300
FEDERAL	209A	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1140	8000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	9000
FEDERAL	209A	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA12	11/8	1090	6900
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	11/8	1140	7800
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	11/8	1190	8600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WIN.	WAA12	11/8	1250	9600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WTW.	WINDJAMMER	11/8	1095	6200
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WTW.	WINDJAMMER	11/8	1145	6900
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	11/8	1190	7500

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER, RTL, STS, NITRO 27								
WINCHESTER	209	"HI-SKOR" 800-X	23.5	WTW	WINDJAMMER	11/8	1250	8400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	CB	CB1118-12	11/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	CB	CB1118-12	11/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB	CB1118-12	11/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB	CB1118-12	11/8	1250	8700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	FIG8	11/8	1095	6500
WINCHESTER	209	"HI-SKOR" 800-X	20.5	REM.	FIG8	11/8	1140	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	11/8	1205	8100
WINCHESTER	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	11/8	1265	8900
WINCHESTER	209	"HI-SKOR" 800-X	19.0	FED.	12S3	11/8	1090	6800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	11/8	1135	7500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	11/8	1205	8500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	FED.	12S3	11/8	1260	9600
SHELL: REMINGTON GUN CLUB								
CHEDDITE	209	HI-SKOR 700X	16.0	FED.	12S3	11/8	1144	10300
CHEDDITE	209	HI-SKOR 700X	16.5	REM.	FIG8	11/8	1143	9600
CHEDDITE	209	HI-SKOR 700X	18.0	REM.	FIG8	11/8	1204	10600
CHEDDITE	209	HI-SKOR 700X	16.0	WIN.	WAA12	11/8	1146	10200
CHEDDITE	209	HI-SKOR 700X	17.5	WIN.	WAA12	11/8	1204	11400
REMINGTON	STS	HI-SKOR 700X	16.0	FED.	12S3	11/8	1148	10700
REMINGTON	STS	HI-SKOR 700X	16.5	REM.	FIG8	11/8	1147	9400
REMINGTON	STS	HI-SKOR 700X	17.5	REM.	FIG8	11/8	1198	10700
REMINGTON	STS	HI-SKOR 700X	16.0	WIN.	WAA12	11/8	1149	10200
REMINGTON	STS	HI-SKOR 700X	17.0	WIN.	WAA12	11/8	1199	11300
SHELL: WINCHESTER AA								
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WIN.	WAA12	11/8	1090	9100
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WIN.	WAA12	11/8	1135	10000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1200	11300
FEDERAL	209A	"HI-SKOR" 700-X	15.0	WTW	WINDJAMMER	11/8	1095	8200
FEDERAL	209A	"HI-SKOR" 700-X	16.0	WTW	WINDJAMMER	11/8	1140	9000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	WTW	WINDJAMMER	11/8	1200	10100
FEDERAL	209A	"HI-SKOR" 700-X	19.0	WTW	WINDJAMMER	11/8	1255	11000
FEDERAL	209A	"HI-SKOR" 700-X	15.0	CB	CB1118-12	11/8	1095	8500
FEDERAL	209A	"HI-SKOR" 700-X	16.0	CB	CB1118-12	11/8	1140	9400
FEDERAL	209A	"HI-SKOR" 700-X	17.5	CB	CB1118-12	11/8	1200	10700
FEDERAL	209A	"HI-SKOR" 700-X	18.5	CB	CB1118-12	11/8	1245	11500
FEDERAL	209A	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1100	8900
FEDERAL	209A	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1145	9600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1205	10600
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	11/8	1240	11200
FEDERAL	209A	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9000
FEDERAL	209A	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1145	9900
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1205	11200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1095	8200
REMINGTON	209P	"HI-SKOR" 700-X	17.0	WIN.	WAA12	11/8	1150	9000
REMINGTON	209P	"HI-SKOR" 700-X	18.5	WIN.	WAA12	11/8	1205	9800
REMINGTON	209P	"HI-SKOR" 700-X	20.0	WIN.	WAA12	11/8	1260	10800
REMINGTON	209P	"HI-SKOR" 700-X	16.0	WTW	WINDJAMMER	11/8	1090	6800
REMINGTON	209P	"HI-SKOR" 700-X	17.5	WTW	WINDJAMMER	11/8	1145	7600
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WTW	WINDJAMMER	11/8	1195	8500
REMINGTON	209P	"HI-SKOR" 700-X	20.5	WTW	WINDJAMMER	11/8	1245	9300
REMINGTON	209P	"HI-SKOR" 700-X	15.5	CB	CB1118-12	11/8	1090	6900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	CB	CB1118-12	11/8	1150	7900
REMINGTON	209P	"HI-SKOR" 700-X	18.0	CB	CB1118-12	11/8	1195	8900
REMINGTON	209P	"HI-SKOR" 700-X	19.5	CB	CB1118-12	11/8	1255	10400
REMINGTON	209P	"HI-SKOR" 700-X	16.0	REM.	FIG8	11/8	1100	7900
REMINGTON	209P	"HI-SKOR" 700-X	17.0	REM.	FIG8	11/8	1145	8400
REMINGTON	209P	"HI-SKOR" 700-X	18.5	REM.	FIG8	11/8	1205	9500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1250	10200
REMINGTON	209P	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1090	7800
REMINGTON	209P	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1135	8600
REMINGTON	209P	"HI-SKOR" 700-X	18.0	FED.	12S3	11/8	1190	9700
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	11/8	1250	10900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WIN.	WAA12	11/8	1105	9200
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WIN.	WAA12	11/8	1150	10100
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WIN.	WAA12	11/8	1190	10800
WINCHESTER	209	"HI-SKOR" 700-X	15.5	WTW.	WINDJAMMER	11/8	1110	8100
WINCHESTER	209	"HI-SKOR" 700-X	16.5	WTW.	WINDJAMMER	11/8	1150	8900
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WTW.	WINDJAMMER	11/8	1195	9700
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WTW.	WINDJAMMER	11/8	1250	11000
WINCHESTER	209	"HI-SKOR" 700-X	15.5	CB.	CB1118-12	11/8	1105	8600
WINCHESTER	209	"HI-SKOR" 700-X	16.5	CB.	CB1118-12	11/8	1150	9500
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CB.	CB1118-12	11/8	1195	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.0	CB.	CB1118-12	11/8	1255	11200
WINCHESTER	209	"HI-SKOR" 700-X	15.5	REM.	FIG8	11/8	1090	8300
WINCHESTER	209	"HI-SKOR" 700-X	16.5	REM.	FIG8	11/8	1135	9000
WINCHESTER	209	"HI-SKOR" 700-X	18.0	REM.	FIG8	11/8	1200	10200
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	11/8	1255	11400
WINCHESTER	209	"HI-SKOR" 700-X	15.5	FED.	12S3	11/8	1100	9500
WINCHESTER	209	"HI-SKOR" 700-X	16.5	FED.	12S3	11/8	1150	10400
WINCHESTER	209	"HI-SKOR" 700-X	17.5	FED.	12S3	11/8	1190	11100
FEDERAL	209A	PB	19.0	WIN.	WAA12	11/8	1100	7500
FEDERAL	209A	PB	20.5	WIN.	WAA12	11/8	1150	8200
FEDERAL	209A	PB	22.0	WIN.	WAA12	11/8	1205	8900
FEDERAL	209A	PB	23.5	WIN.	WAA12	11/8	1260	9700
FEDERAL	209A	PB	19.5	WTW.	WINDJAMMER	11/8	1100	6400
FEDERAL	209A	PB	21.0	WTW.	WINDJAMMER	11/8	1155	7000
FEDERAL	209A	PB	22.5	WTW.	WINDJAMMER	11/8	1205	7800
FEDERAL	209A	PB	24.0	WTW.	WINDJAMMER	11/8	1260	8700
FEDERAL	209A	PB	19.5	CB.	CB1118-12	11/8	1105	6600
FEDERAL	209A	PB	21.0	CB.	CB1118-12	11/8	1155	7400
FEDERAL	209A	PB	22.5	CB.	CB1118-12	11/8	1205	7900
FEDERAL	209A	PB	24.0	CB.	CB1118-12	11/8	1255	8600
FEDERAL	209A	PB	19.5	REM.	RXP12	11/8	1105	7100
FEDERAL	209A	PB	20.5	REM.	RXP12	11/8	1140	7600
FEDERAL	209A	PB	22.0	REM.	RXP12	11/8	1195	8400
FEDERAL	209A	PB	23.5	REM.	RXP12	11/8	1250	9300
FEDERAL	209A	PB	19.0	FED.	12S4	11/8	1100	7600
FEDERAL	209A	PB	20.5	FED.	12S4	11/8	1150	8300
FEDERAL	209A	PB	22.0	FED.	12S4	11/8	1200	9100
FEDERAL	209A	PB	23.5	FED.	12S4	11/8	1255	10100
REMINGTON	209P	PB	20.0	WIN.	WAA12	11/8	1100	6500
REMINGTON	209P	PB	21.0	WIN.	WAA12	11/8	1140	7100
REMINGTON	209P	PB	23.0	WIN.	WAA12	11/8	1200	7700
REMINGTON	209P	PB	24.5	WIN.	WAA12	11/8	1260	8800
REMINGTON	209P	PB	20.0	WTW.	WINDJAMMER	11/8	1095	5700
REMINGTON	209P	PB	21.5	WTW.	WINDJAMMER	11/8	1145	6400
REMINGTON	209P	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7300
REMINGTON	209P	PB	24.5	WTW.	WINDJAMMER	11/8	1255	7900
REMINGTON	209P	PB	20.5	CB.	CB1118-12	11/8	1100	5500
REMINGTON	209P	PB	21.5	CB.	CB1118-12	11/8	1140	6100
REMINGTON	209P	PB	23.0	CB.	CB1118-12	11/8	1200	7100
REMINGTON	209P	PB	24.5	CB.	CB1118-12	11/8	1250	7700
REMINGTON	209P	PB	20.0	REM.	RXP12	11/8	1100	6400
REMINGTON	209P	PB	21.0	REM.	RXP12	11/8	1140	7000
REMINGTON	209P	PB	22.5	REM.	RXP12	11/8	1200	8000
REMINGTON	209P	PB	24.0	REM.	RXP12	11/8	1255	8900
REMINGTON	209P	PB	19.5	FED.	12S4	11/8	1095	6900
REMINGTON	209P	PB	20.5	FED.	12S4	11/8	1140	7700
REMINGTON	209P	PB	22.0	FED.	12S4	11/8	1195	8600
REMINGTON	209P	PB	24.0	FED.	12S4	11/8	1260	9600
WINCHESTER	209	PB	19.5	WIN.	WAA12	11/8	1095	6900
WINCHESTER	209	PB	21.0	WIN.	WAA12	11/8	1150	7700
WINCHESTER	209	PB	22.5	WIN.	WAA12	11/8	1205	8600
WINCHESTER	209	PB	24.0	WIN.	WAA12	11/8	1265	9400
WINCHESTER	209	PB	20.0	WTW.	WINDJAMMER	11/8	1100	6200
WINCHESTER	209	PB	21.5	WTW.	WINDJAMMER	11/8	1155	6900
WINCHESTER	209	PB	23.0	WTW.	WINDJAMMER	11/8	1205	7400
WINCHESTER	209	PB	24.5	WTW.	WINDJAMMER	11/8	1260	8400
WINCHESTER	209	PB	20.0	CB.	CB1118-12	11/8	1100	6300
WINCHESTER	209	PB	21.5	CB.	CB1118-12	11/8	1155	7000
WINCHESTER	209	PB	23.0	CB.	CB1118-12	11/8	1210	7900
WINCHESTER	209	PB	24.0	CB.	CB1118-12	11/8	1250	8500
WINCHESTER	209	PB	20.0	REM.	RXP12	11/8	1110	6900
WINCHESTER	209	PB	21.0	REM.	RXP12	11/8	1155	7500
WINCHESTER	209	PB	22.5	REM.	RXP12	11/8	1205	8500

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	PB	24.0	REM.	RXP12	11/8	1265	9500
WINCHESTER	209	PB	19.5	FED.	12S4	11/8	1105	7400
WINCHESTER	209	PB	20.5	FED.	12S4	11/8	1145	8000
WINCHESTER	209	PB	22.0	FED.	12S4	11/8	1200	8900
WINCHESTER	209	PB	23.5	FED.	12S4	11/8	1255	9900
FEDERAL	209A	SR7625	21.0	WIN.	WAA12	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	WIN.	WAA12	11/8	1155	7400
FEDERAL	209A	SR7625	23.5	WIN.	WAA12	11/8	1190	7900
FEDERAL	209A	SR7625	25.5	WIN.	WAA12	11/8	1260	9100
FEDERAL	209A	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5400
FEDERAL	209A	SR7625	23.5	WTW.	WINDJAMMER	11/8	1155	6400
FEDERAL	209A	SR7625	24.5	WTW.	WINDJAMMER	11/8	1200	7200
FEDERAL	209A	SR7625	25.5	WTW.	WINDJAMMER	11/8	1245	7900
FEDERAL	209A	SR7625	21.5	CB.	CB1118-12	11/8	1105	6300
FEDERAL	209A	SR7625	22.5	CB.	CB1118-12	11/8	1145	6800
FEDERAL	209A	SR7625	24.0	CB.	CB1118-12	11/8	1195	7600
FEDERAL	209A	SR7625	25.5	CB.	CB1118-12	11/8	1250	8400
FEDERAL	209A	SR7625	21.5	REM.	RXP12	11/8	1095	6100
FEDERAL	209A	SR7625	22.5	REM.	RXP12	11/8	1140	6800
FEDERAL	209A	SR7625	24.0	REM.	RXP12	11/8	1195	7700
FEDERAL	209A	SR7625	25.5	REM.	RXP12	11/8	1250	8600
FEDERAL	209A	SR7625	21.0	FED.	12S4	11/8	1100	6800
FEDERAL	209A	SR7625	22.5	FED.	12S4	11/8	1155	7600
FEDERAL	209A	SR7625	23.5	FED.	12S4	11/8	1195	8300
FEDERAL	209A	SR7625	25.0	FED.	12S4	11/8	1255	9300
REMINGTON	209P	SR7625	22.0	WIN.	WAA12	11/8	1110	6000
REMINGTON	209P	SR7625	23.0	WIN.	WAA12	11/8	1145	6400
REMINGTON	209P	SR7625	24.5	WIN.	WAA12	11/8	1195	7200
REMINGTON	209P	SR7625	26.0	WIN.	WAA12	11/8	1255	8000
REMINGTON	209P	SR7625	22.0	WTW.	WINDJAMMER	11/8	1095	5100
REMINGTON	209P	SR7625	23.5	WTW.	WINDJAMMER	11/8	1150	5900
REMINGTON	209P	SR7625	24.5	WTW.	WINDJAMMER	11/8	1190	6400
REMINGTON	209P	SR7625	26.0	WTW.	WINDJAMMER	11/8	1250	7200
REMINGTON	209P	SR7625	22.0	CB.	CB1118-12	11/8	1105	5600
REMINGTON	209P	SR7625	23.0	CB.	CB1118-12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	CB.	CB1118-12	11/8	1205	7300
REMINGTON	209P	SR7625	25.5	CB.	CB1118-12	11/8	1250	8000
REMINGTON	209P	SR7625	22.0	REM.	RXP12	11/8	1105	5800
REMINGTON	209P	SR7625	23.0	REM.	RXP12	11/8	1145	6300
REMINGTON	209P	SR7625	24.5	REM.	RXP12	11/8	1205	7400
REMINGTON	209P	SR7625	25.5	REM.	RXP12	11/8	1250	8200
REMINGTON	209P	SR7625	21.5	FED.	12S4	11/8	1100	6500
REMINGTON	209P	SR7625	22.5	FED.	12S4	11/8	1145	7200
REMINGTON	209P	SR7625	24.0	FED.	12S4	11/8	1205	8100
REMINGTON	209P	SR7625	25.5	FED.	12S4	11/8	1255	9100
WINCHESTER	209	SR7625	21.0	WIN.	WAA12	1 1/8	1090	6400
WINCHESTER	209	SR7625	22.5	WIN.	WAA12	1 1/8	1150	7300
WINCHESTER	209	SR7625	23.5	WIN.	WAA12	1 1/8	1190	7900
WINCHESTER	209	SR7625	25.5	WIN.	WAA12	1 1/8	1265	9600
WINCHESTER	209	SR7625	22.0	WTW.	WINDJAMMER	1 1/8	1105	5700
WINCHESTER	209	SR7625	23.0	WTW.	WINDJAMMER	1 1/8	1140	6200
WINCHESTER	209	SR7625	24.5	WTW.	WINDJAMMER	1 1/8	1200	6900
WINCHESTER	209	SR7625	26.0	WTW.	WINDJAMMER	1 1/8	1255	7900
WINCHESTER	209	SR7625	21.5	CB.	CB1118-12	1 1/8	1100	6000
WINCHESTER	209	SR7625	22.5	CB.	CB1118-12	1 1/8	1145	6500
WINCHESTER	209	SR7625	24.0	CB.	CB1118-12	1 1/8	1195	7300
WINCHESTER	209	SR7625	26.0	CB.	CB1118-12	1 1/8	1265	8200
WINCHESTER	209	SR7625	22.0	REM.	RXP12	1 1/8	1105	6200
WINCHESTER	209	SR7625	23.0	REM.	RXP12	1 1/8	1145	6600
WINCHESTER	209	SR7625	24.5	REM.	RXP12	1 1/8	1200	7500
WINCHESTER	209	SR7625	26.0	REM.	RXP12	1 1/8	1255	8300
WINCHESTER	209	SR7625	21.0	FED.	12S4	1 1/8	1095	6700
WINCHESTER	209	SR7625	22.5	FED.	12S4	1 1/8	1145	7500
WINCHESTER	209	SR7625	24.0	FED.	12S4	1 1/8	1200	8400
WINCHESTER	209	SR7625	25.5	FED.	12S4	1 1/8	1260	9200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE 2³/₄ INCH 1 1/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
CCI	209	"HI-SKOR" 800-X	20.5	WIN.	WAA12	1 1/8	1095	5800
CCI	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1155	6500
CCI	209	"HI-SKOR" 800-X	23.0	WIN.	WAA12	1 1/8	1195	7000
CCI	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/8	1250	7700
CCI	209	"HI-SKOR" 800-X	21.5	WTW.	WINDJAMMER	1 1/8	1100	4800
CCI	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	1 1/8	1195	5800
CCI	209	"HI-SKOR" 800-X	26.0	WTW.	WINDJAMMER	1 1/8	1260	6200
CCI	209	"HI-SKOR" 800-X	21.0	CB.	CB1118-12	1 1/8	1095	5000
CCI	209	"HI-SKOR" 800-X	22.5	CB.	CB1118-12	1 1/8	1150	5400
CCI	209	"HI-SKOR" 800-X	24.0	CB.	CB1118-12	1 1/8	1200	6100
CCI	209	"HI-SKOR" 800-X	25.5	CB.	CB1118-12	1 1/8	1250	6700
CCI	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1095	5200
CCI	209	"HI-SKOR" 800-X	22.0	REM.	FIG8	1 1/8	1135	5700
CCI	209	"HI-SKOR" 800-X	23.5	REM.	FIG8	1 1/8	1195	6300
CCI	209	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/8	1260	6900
CCI	209	"HI-SKOR" 800-X	20.5	FED.	12S3	1 1/8	1090	5800
CCI	209	"HI-SKOR" 800-X	22.0	FED.	12S3	1 1/8	1150	6400
CCI	209	"HI-SKOR" 800-X	23.0	FED.	12S3	1 1/8	1190	6800
CCI	209	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/8	1255	7800
FEDERAL	209A	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1105	6600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1140	7000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA12	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1260	8600
FEDERAL	209A	"HI-SKOR" 800-X	21.0	WTW.	WINDJAMMER	1 1/8	1105	5100
FEDERAL	209A	"HI-SKOR" 800-X	22.0	WTW.	WINDJAMMER	1 1/8	1150	5800
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WTW.	WINDJAMMER	1 1/8	1195	6500
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WTW.	WINDJAMMER	1 1/8	1265	7600
FEDERAL	209A	"HI-SKOR" 800-X	20.5	CB.	CB1118-2	1 1/8	1095	5600
FEDERAL	209A	"HI-SKOR" 800-X	22.0	CB.	CB1118-2	1 1/8	1155	6300
FEDERAL	209A	"HI-SKOR" 800-X	23.0	CB.	CB1118-2	1 1/8	1195	6800
FEDERAL	209A	"HI-SKOR" 800-X	24.5	CB.	CB118-2	1 1/8	1250	7500
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	FIG8	1 1/8	1090	5200
FEDERAL	209A	"HI-SKOR" 800-X	21.5	REM.	FIG8	1 1/8	1135	5700
FEDERAL	209A	"HI-SKOR" 800-X	23.0	REM.	FIG8	1 1/8	1200	6700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	REM.	RIG8	1 1/8	1260	7700
FEDERAL	209A	"HI-SKOR" 800-X	19.5	FED.	12S3	1 1/8	1095	6400
FEDERAL	209A	"HI-SKOR" 800-X	21.0	FED.	12S3	1 1/8	1150	7100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1200	7800
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1255	8500
WINCHESTER	209	"HI-SKOR" 800-X	20.0	WIN.	WAA12	1 1/8	1100	6600
WINCHESTER	209	"HI-SKOR" 800-X	21.0	WIN.	WAA12	1 1/8	1145	7200
WINCHESTER	209	"HI-SKOR" 800-X	22.0	WIN.	WAA12	1 1/8	1190	7800
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/8	1265	8800
WINCHESTER	209	"HI-SKOR" 800-X	20.5	WTW.	WINDJAMMER	1 1/8	1095	5400
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WTW.	WINDJAMMER	1 1/8	1145	6000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	WTW.	WINDJAMMER	1 1/8	1190	6700
WINCHESTER	209	"HI-SKOR" 800-X	24.0	WTW.	WINDJAMMER	1 1/8	1260	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	CB.	CB1118-12	1 1/8	1095	5800
WINCHESTER	209	"HI-SKOR" 800-X	21.5	CB.	CB1118-12	1 1/8	1150	6500
WINCHESTER	209	"HI-SKOR" 800-X	23.0	CB.	CB1118-12	1 1/8	1205	7100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	CB.	CB1118-12	1 1/8	1260	7800
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	FIG8	1 1/8	1105	6100
WINCHESTER	209	"HI-SKOR" 800-X	21.0	REM.	FIG8	1 1/8	1150	6600
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	FIG8	1 1/8	1195	7000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	FIG8	1 1/8	1255	7700
WINCHESTER	209	"HI-SKOR" 800-X	20.0	FED.	12S3	1 1/8	1100	6500
WINCHESTER	209	"HI-SKOR" 800-X	21.5	FED.	12S3	1 1/8	1155	7100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 1/8	1195	7600
WINCHESTER	209	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/8	1250	8400
SHELL: FIOCCHI (PURPLE)								
FIODCHI	616	"HI-SKOR" 700-X	17.0	FIODCHI	12GW	1 1/8	1145	9100
FIODCHI	616	"HI-SKOR" 700-X	17.5	CLAYBUSTER	CB-1100-12	1 1/8	1145	8000
FEDERAL	209A	"HI-SKOR" 700-X	16.5	FIODCHI	12GW	1 1/8	1145	9700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	CLAYBUSTER	CB-1100-12	1 1/8	1145	8300
REMINGTON	209STS	"HI-SKOR" 700-X	17.0	FIODCHI	12GW	1 1/8	1145	8900
REMINGTON	209STS	"HI-SKOR" 700-X	17.0	CLAYBUSTER	CB-1100-12	1 1/8	1145	7900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FIOCCHI (PURPLE)								
WINCHESTER	209	"HI-SKOR" 700-X	17.0	FOCCHI	12GW	1 1/8	1145	8800
WINCHESTER	209	"HI-SKOR" 700-X	17.5	CLAYBUSTER	CB-1100-12	1 1/8	1145	8000
FOCCHI	616	"HI-SKOR" 700-X	18.0	FOCCHI	12GW	1 1/8	1200	9800
FOCCHI	616	"HI-SKOR" 700-X	18.5	CLAYBUSTER	CB-1100-12	1 1/8	1200	9000
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FOCCHI	12GW	1 1/8	1200	10600
FEDERAL	209A	"HI-SKOR" 700-X	18.0	CLAYBUSTER	CB-1100-12	1 1/8	1200	9700
REMINGTON	209STS	"HI-SKOR" 700-X	18.0	FOCCHI	12GW	1 1/8	1200	9900
REMINGTON	209STS	"HI-SKOR" 700-X	18.0	CLAYBUSTER	CB-1100-12	1 1/8	1200	8800
WINCHESTER	209	"HI-SKOR" 700-X	18.0	FOCCHI	12GW	1 1/8	1200	10000
WINCHESTER	209	"HI-SKOR" 700-X	18.5	CLAYBUSTER	CB-1100-12	1 1/8	1200	8800
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11700
FEDERAL	209A	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 700-X	14.0	CB.	CB1078-20	7/8	1190	11400
FEDERAL	209A	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1210	11500
FEDERAL	209A	"HI-SKOR" 700-X	14.0	FED.	20S1	7/8	1190	11900
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11400
REMINGTON	209P	"HI-SKOR" 700-X	14.5	CB.	CB1078-20	7/8	1205	11300
REMINGTON	209P	"HI-SKOR" 700-X	15.0	REM.	RXP 20	7/8	1215	11100
REMINGTON	209P	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1205	11600
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WIN.	WAA20	7/8	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.5	WTW	WINDJAMMER	7/8	1205	11200
WINCHESTER	209	"HI-SKOR" 700-X	14.0	CB.	CB1078-20	7/8	1190	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	REM.	RXP 20	7/8	1205	11000
WINCHESTER	209	"HI-SKOR" 700-X	14.5	FED.	20S1	7/8	1210	11800
FEDERAL	209A	PB	17.5	WIN.	WAA20	7/8	1200	9400
FEDERAL	209A	PB	17.5	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	PB	17.0	CB.	CB1078-20	7/8	1195	9800
FEDERAL	209A	PB	17.5	REM.	RXP 20	7/8	1205	9300
FEDERAL	209A	PB	17.5	FED.	20S1	7/8	1210	10000
REMINGTON	209P	PB	17.5	WIN.	WAA20	7/8	1200	9300
REMINGTON	209P	PB	18.0	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	PB	17.5	CB.	CB1078-20	7/8	1200	9300
REMINGTON	209P	PB	17.5	REM.	RXP 20	7/8	1200	8900
REMINGTON	209P	PB	17.5	FED.	20S1	7/8	1200	9400
WINCHESTER	209	PB	17.5	WIN.	WAA20	7/8	1200	9400
WINCHESTER	209	PB	17.5	WTW	WINDJAMMER	7/8	1195	9500
WINCHESTER	209	PB	17.5	CB.	CB1078-20	7/8	1200	9500
WINCHESTER	209	PB	18.0	REM.	RXP 20	7/8	1195	9000
WINCHESTER	209	PB	17.5	FED.	20S1	7/8	1210	10100
FEDERAL	209A	SR7625	18.5	WIN.	WAA20	7/8	1210	9200
FEDERAL	209A	SR7625	18.5	WTW	WINDJAMMER	7/8	1190	8600
FEDERAL	209A	SR7625	18.5	CB.	CB1078-20	7/8	1210	9500
FEDERAL	209A	SR7625	19.0	REM.	RXP 20	7/8	1210	8700
FEDERAL	209A	SR7625	18.5	FED.	20S1	7/8	1195	8700
REMINGTON	209P	SR7625	18.5	WIN.	WAA20	7/8	1195	8500
REMINGTON	209P	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	8300
REMINGTON	209P	SR7625	18.5	CB.	CB1078-20	7/8	1195	8600
REMINGTON	209P	SR7625	19.5	REM.	RXP 20	7/8	1205	8300
REMINGTON	209P	SR7625	19.0	FED.	20S1	7/8	1200	8300
WINCHESTER	209	SR7625	18.5	WIN.	WAA20	7/8	1195	8400
WINCHESTER	209	SR7625	19.0	WTW	WINDJAMMER	7/8	1200	9100
WINCHESTER	209	SR7625	18.5	CB.	CB1078-20	7/8	1210	9000
WINCHESTER	209	SR7625	18.5	REM.	RXP 20	7/8	1195	8500
WINCHESTER	209	SR7625	18.5	FED.	20S1	7/8	1195	8600

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE 2 3/4 INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1205	8000
FEDERAL	209A	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1190	7800
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1200	7600
FEDERAL	209A	"HI-SKOR" 800-X	17.0	FED.	20S1	7/8	1190	8200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1200	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WTW	WINDJAMMER	7/8	1195	7300
REMINGTON	209P	"HI-SKOR" 800-X	17.5	CB.	CB1078-20	7/8	1205	7900
REMINGTON	209P	"HI-SKOR" 800-X	18.0	REM.	RXP 20	7/8	1210	7600
REMINGTON	209P	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1195	7900
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WIN.	WAA20	7/8	1210	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	WTW	WINDJAMMER	7/8	1200	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.0	CB.	CB1078-20	7/8	1195	8100
WINCHESTER	209	"HI-SKOR" 800-X	17.5	REM.	RXP 20	7/8	1210	8000
WINCHESTER	209	"HI-SKOR" 800-X	17.5	FED.	20S1	7/8	1200	8300
FEDERAL	209A	SR4756	20.5	WIN.	WAA20F1	7/8	1205	8500
FEDERAL	209A	SR4756	20.5	WTW	WINDJAMMER	7/8	1210	8700
FEDERAL	209A	SR4756	21.0	REM.	RXP 20	7/8	1200	7800
FEDERAL	209A	SR4756	20.5	FED.	20S1	7/8	1210	8700
REMINGTON	209P	SR4756	21.5	WIN.	WAA20F1	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	WTW	WINDJAMMER	7/8	1200	7900
REMINGTON	209P	SR4756	21.5	REM.	RXP 20	7/8	1180	7000
REMINGTON	209P	SR4756	21.5	FED.	20S1	7/8	1205	7600
WINCHESTER	209	SR4756	20.5	WIN.	WAA20F1	7/8	1195	8200
WINCHESTER	209	SR4756	20.5	WTW	WINDJAMMER	7/8	1195	8300
WINCHESTER	209	SR4756	21.0	REM.	RXP 20	7/8	1205	7900
WINCHESTER	209	SR4756	20.5	FED.	20S1	7/8	1205	8500
SHELL: REMINGTON PREMIER (RTL)								
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1195	11600
FEDERAL	209A	PB	15.0	REM.	20S1	7/8	1160	11900
FEDERAL	209A	PB	16.0	WIN.	WAA20F1	7/8	1210	11900
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1210	11700
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1195	11800
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	11000
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1185	11800
REMINGTON	209P	PB	16.0	WIN.	WAA20F1	7/8	1195	11400
WINCHESTER	209	PB	16.0	WTW	WINDJAMMER	7/8	1200	11700
WINCHESTER	209	PB	16.0	CB.	CB1078-20	7/8	1195	11700
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1190	11100
WINCHESTER	209	PB	16.0	WIN.	WAA20F1	7/8	1190	11100
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	12000
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11400
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11400
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1210	11000
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	12000
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	WTW	WINDJAMMER	7/8	1210	11000
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1205	11000
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	17.0	FED.	20S1	7/8	1195	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1200	10800
WINCHESTER	209	SR7625	17.0	CB.	CB1078-20	7/8	1205	11100
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1195	10300
WINCHESTER	209	SR7625	17.0	FED.	20S1	7/8	1210	11800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1195	9300
FEDERAL	209A	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1200	9500
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1215	9900
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	RXP 20	7/8	1190	9100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1210	10000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

20 GAUGE 2³/₄ INCH 7/8 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	9100
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1195	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	7/8	1190	9300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WTW	WINDJAMMER	7/8	1190	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1205	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1200	9600
FEDERAL	209A	SR4756	17.5	WIN.	WAA20F1	7/8	1190	10200
FEDERAL	209A	SR4756	17.5	REM	SP20	7/8	1195	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1195	9500
REMINGTON	209P	SR4756	18.5	REM	SP20	7/8	1205	10200
WINCHESTER	209	SR4756	19.0	WIN.	WAA20F1	7/8	1205	9600
WINCHESTER	209	SR4756	18.5	REM	SP20	7/8	1205	10300
SHELL: WINCHESTER AA								
REMINGTON	209P	"HI-SKOR" 700-X	13.0	REM.	RXP 20	7/8	1160	11800
FEDERAL	209A	PB	15.5	WIN.	WAA20	7/8	1180	11700
FEDERAL	209A	PB	15.5	WTW	WINDJAMMER	7/8	1185	11900
FEDERAL	209A	PB	16.0	REM.	RXP 20	7/8	1205	11900
FEDERAL	209A	PB	15.0	FED.	20S1	7/8	1160	11900
REMINGTON	209P	PB	16.0	WIN.	WAA20	7/8	1200	11600
REMINGTON	209P	PB	16.0	WTW	WINDJAMMER	7/8	1200	11300
REMINGTON	209P	PB	16.0	CB.	CB1078-20	7/8	1200	11900
REMINGTON	209P	PB	16.0	REM.	RXP 20	7/8	1195	10900
REMINGTON	209P	PB	15.5	FED.	20S1	7/8	1175	11600
WINCHESTER	209	PB	16.0	WIN.	WAA20	7/8	1195	11700
WINCHESTER	209	PB	16.5	WTW	WINDJAMMER	7/8	1200	11800
WINCHESTER	209	PB	16.0	REM.	RXP 20	7/8	1195	11400
WINCHESTER	209	PB	15.5	FED.	20S1	7/8	1175	11800
FEDERAL	209A	SR7625	16.5	WIN.	WAA20	7/8	1205	11700
FEDERAL	209A	SR7625	16.5	WTW	WINDJAMMER	7/8	1200	11900
FEDERAL	209A	SR7625	16.5	CB.	CB1078-20	7/8	1195	11700
FEDERAL	209A	SR7625	17.0	REM.	RXP 20	7/8	1200	10800
FEDERAL	209A	SR7625	16.5	FED.	20S1	7/8	1190	11700
REMINGTON	209P	SR7625	17.0	WIN.	WAA20	7/8	1200	10900
REMINGTON	209P	SR7625	17.5	WTW	WINDJAMMER	7/8	1210	10300
REMINGTON	209P	SR7625	17.0	CB.	CB1078-20	7/8	1210	11300
REMINGTON	209P	SR7625	17.0	REM.	RXP 20	7/8	1190	10100
REMINGTON	209P	SR7625	16.5	FED.	20S1	7/8	1185	11100
WINCHESTER	209	SR7625	17.0	WIN.	WAA20	7/8	1205	10600
WINCHESTER	209	SR7625	17.0	WTW	WINDJAMMER	7/8	1205	10900
WINCHESTER	209	SR7625	16.5	CB.	CB1078-20	7/8	1190	10800
WINCHESTER	209	SR7625	17.0	REM.	RXP 20	7/8	1210	10600
WINCHESTER	209	SR7625	16.5	FED.	20S1	7/8	1195	11700
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1215	10100
FEDERAL	209A	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9400
FEDERAL	209A	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1200	8800
FEDERAL	209A	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9700
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1210	9300
REMINGTON	209P	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1190	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	CB.	CB1078-20	7/8	1195	8400
REMINGTON	209P	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1190	7500
REMINGTON	209P	"HI-SKOR" 800-X	16.5	FED.	20S1	7/8	1190	8200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

28 GAUGE 2³/₄ INCH 3/4 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER AA								
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20	7/8	1205	9900
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WTW	WINDJAMMER	7/8	1200	10300
WINCHESTER	209	"HI-SKOR" 800-X	16.0	CB.	CB1078-20	7/8	1190	9600
WINCHESTER	209	"HI-SKOR" 800-X	16.5	REM.	RXP 20	7/8	1210	9400
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	7/8	1190	9600
FEDERAL	209A	SR4756	18.0	WIN.	WAA20F1	7/8	1190	10000
FEDERAL	209A	SR4756	18.5	WTW	WINDJAMMER	7/8	1185	10000
FEDERAL	209A	SR4756	18.0	CB.	CB1078-20	7/8	1195	10300
FEDERAL	209A	SR4756	18.5	REM.	SP20	7/8	1215	10700
FEDERAL	209A	SR4756	18.0	FED.	20S1	7/8	1190	10600
REMINGTON	209P	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9800
REMINGTON	209P	SR4756	18.5	CB.	CB1078-20	7/8	1200	10000
REMINGTON	209P	SR4756	19.0	REM.	SP20	7/8	1210	9700
REMINGTON	209P	SR4756	18.5	FED.	20S1	7/8	1190	10100
WINCHESTER	209	SR4756	18.5	WIN.	WAA20F1	7/8	1200	9900
WINCHESTER	209	SR4756	18.5	WTW	WINDJAMMER	7/8	1195	9900
WINCHESTER	209	SR4756	18.0	CB.	CB1078-20	7/8	1180	9700
WINCHESTER	209	SR4756	18.5	REM.	SP20	7/8	1200	9900
WINCHESTER	209	SR4756	18.0	FED.	20S1	7/8	1205	10700
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
FEDERAL	209A	PB	13.0	WIN.	WAA28	3/4	1165	12400
FEDERAL	209A	PB	13.0	CB.	CB-1034-28	3/4	1165	12100
FEDERAL	209A	PB	13.0	REM.	PT28	3/4	1160	12300
REMINGTON	209P	PB	14.5	WIN.	WAA28	3/4	1205	11400
REMINGTON	209P	PB	14.5	PATCTL.	PC-28	3/4	1200	11500
REMINGTON	209P	PB	14.5	REM.	PT28	3/4	1200	11700
REMINGTON	209P	PB	14.0	FED.	28S1	3/4	1190	12200
WINCHESTER	209	PB	14.5	WIN.	WAA28	3/4	1215	11900
WINCHESTER	209	PB	14.5	PATCTL.	PC-28	3/4	1210	12000
WINCHESTER	209	PB	14.5	REM.	PT28	3/4	1205	12100
WINCHESTER	209	PB	14.0	FED.	28S1	3/4	1185	12500
FEDERAL	209A	SR7625	14.5	WIN.	WAA28	3/4	1215	12300
FEDERAL	209A	SR7625	14.0	PATCTL.	PC-28	3/4	1195	11900
FEDERAL	209A	SR7625	14.0	CB.	CB-1034-28	3/4	1195	12000
FEDERAL	209A	SR7625	15.5	REM.	PT28	3/4	1195	11800
FEDERAL	209A	SR7625	14.0	FED.	28S1	3/4	1185	12000
REMINGTON	209P	SR7625	14.5	WIN.	WAA28	3/4	1185	10500
REMINGTON	209P	SR7625	15.0	PATCTL.	PC-28	3/4	1205	10100
REMINGTON	209P	SR7625	15.0	REM.	PT28	3/4	1190	10200
REMINGTON	209P	SR7625	14.5	FED.	28S1	3/4	1190	10800
WINCHESTER	209	SR7625	14.5	WIN.	WAA28	3/4	1185	10800
WINCHESTER	209	SR7625	15.0	PATCTL.	PC-28	3/4	1205	10900
WINCHESTER	209	SR7625	15.0	REM.	PT28	3/4	1200	11100
WINCHESTER	209	SR7625	15.0	FED.	28S1	3/4	1205	11200
FEDERAL	209A	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1195	10100
FEDERAL	209A	"HI-SKOR" 800-X	13.5	PATCTL.	PC-28	3/4	1215	10600
FEDERAL	209A	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10000
FEDERAL	209A	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
FEDERAL	209A	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11000
REMINGTON	209P	"HI-SKOR" 800-X	14.5	WIN.	WAA28	3/4	1210	9500
REMINGTON	209P	"HI-SKOR" 800-X	14.0	PATCTL.	PC-28	3/4	1200	9600
REMINGTON	209P	"HI-SKOR" 800-X	14.0	CB.	CB1034-28	3/4	1205	9800
REMINGTON	209P	"HI-SKOR" 800-X	14.0	REM.	PT28	3/4	1195	9900
REMINGTON	209P	"HI-SKOR" 800-X	14.0	FED.	28S1	3/4	1210	10400
WINCHESTER	209	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1210	10000
WINCHESTER	209	"HI-SKOR" 800-X	13.5	PATCTL.	PC-28	3/4	1190	9900
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1190	9800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1190	10100
WINCHESTER	209	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1200	10500
FEDERAL	209A	SR4756	15.5	PATCTL.	PC-28	3/4	1210	11400
FEDERAL	209A	SR4756	15.5	REM.	PT28	3/4	1200	11400
FEDERAL	209A	SR4756	15.5	FED.	28S1	3/4	1205	11900

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

28 GAUGE 2³/₄ INCH 3/4 OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL PLASTIC TARGET/HUNTING								
REMINGTON	209P	SR4756	16.0	PATCTL.	PC-28	3/4	1185	9600
REMINGTON	209P	SR4756	17.0	REM.	PT28	3/4	1170	10300
REMINGTON	209P	SR4756	16.5	FED.	28S1	3/4	1195	9800
WINCHESTER	209	SR4756	16.0	PATCTL.	PC-28	3/4	1200	10300
WINCHESTER	209	SR4756	16.0	REM.	PT28	3/4	1190	10500
WINCHESTER	209	SR4756	16.0	FED.	28S1	3/4	1195	10600
SHELL: REMINGTON PREMIER (RTL)								
REMINGTON	209P	PB	13.5	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	PB	13.0	PATCTL.	PC-28	3/4	1185	12100
REMINGTON	209P	PB	13.0	REM.	PT28	3/4	1175	12500
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	11800
REMINGTON	209P	SR7625	14.0	PATCTL.	PC-28	3/4	1200	11700
REMINGTON	209P	SR7625	13.5	REM.	PT28	3/4	1190	12400
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1185	12400
WINCHESTER	209	SR7625	14.0	WIN.	WAA28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	PATCTL.	PC-28	3/4	1210	12200
WINCHESTER	209	SR7625	14.0	REM.	PT28	3/4	1200	12500
FEDERAL	209A	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11000
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1210	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1200	10800
FEDERAL	209A	"HI-SKOR" 800-X	13.0	REM.	PT28	3/4	1205	11400
FEDERAL	209A	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1205	11700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	WIN.	WAA28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1190	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1205	10300
REMINGTON	209P	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1205	10700
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1215	11600
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1185	10400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1185	10300
WINCHESTER	209	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1215	10800
WINCHESTER	209	"HI-SKOR" 800-X	13.5	REM.	PT28	3/4	1210	11100
WINCHESTER	209	"HI-SKOR" 800-X	13.0	FED.	28S1	3/4	1195	11300
FEDERAL	209A	SR4756	14.5	PATCTL.	PC-28	3/4	1200	12200
FEDERAL	209A	SR4756	14.0	REM.	PT28	3/4	1185	12500
FEDERAL	209A	SR4756	14.0	FED.	28S1	3/4	1175	12300
REMINGTON	209P	SR4756	15.0	PATCTL.	PC-28	3/4	1165	9900
REMINGTON	209P	SR4756	14.0	FED.	28S1	3/4	1140	10300
WINCHESTER	209	SR4756	15.0	PATCTL.	PC-28	3/4	1200	11200
WINCHESTER	209	SR4756	14.0	REM.	PT28	3/4	1155	11000
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1160	11500
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	SR7625	14.0	WIN.	WAA28	3/4	1205	12300
REMINGTON	209P	SR7625	13.5	PATCTL.	PC-28	3/4	1170	12000
REMINGTON	209P	SR7625	14.0	CB.	CB1034-28	3/4	1190	12300
REMINGTON	209P	SR7625	13.5	FED.	28S1	3/4	1170	12400
FEDERAL	209A	"HI-SKOR" 800-X	12.5	WIN.	WAA28	3/4	1185	11600
FEDERAL	209A	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1210	12300
FEDERAL	209A	"HI-SKOR" 800-X	12.5	CB.	CB1034-28	3/4	1185	11700
FEDERAL	209A	"HI-SKOR" 800-X	12.0	FED.	28S1	3/4	1150	12000
REMINGTON	209P	"HI-SKOR" 800-X	14.0	WIN.	WAA28	3/4	1200	9700
REMINGTON	209P	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1200	11400
REMINGTON	209P	"HI-SKOR" 800-X	13.5	CB.	CB1034-28	3/4	1200	10200
REMINGTON	209P	"HI-SKOR" 800-X	13.5	FED.	28S1	3/4	1205	11500
WINCHESTER	209	"HI-SKOR" 800-X	13.0	WIN.	WAA28	3/4	1195	11400
WINCHESTER	209	"HI-SKOR" 800-X	13.0	PATCTL.	PC-28	3/4	1205	12000
WINCHESTER	209	"HI-SKOR" 800-X	13.0	CB.	CB1034-28	3/4	1190	11200
WINCHESTER	209	"HI-SKOR" 800-X	12.5	FED.	28S1	3/4	1175	12200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

28 GAUGE 2 $\frac{3}{4}$ INCH $\frac{3}{4}$ OUNCE LOADS (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
REMINGTON	209P	SR4756	14.0	WIN.	WAA28	3/4	1150	11500
REMINGTON	209P	SR4756	14.5	PATCTL.	PC-28	3/4	1185	12200
REMINGTON	209P	SR4756	14.0	CB.	CB1034-28	3/4	1165	12000
WINCHESTER	209	SR4756	14.0	WIN.	WAA28	3/4	1150	11400
WINCHESTER	209	SR4756	14.5	PATCTL.	PC-28	3/4	1190	12000
WINCHESTER	209	SR4756	14.0	CB.	CB1034-28	3/4	1170	12200
WINCHESTER	209	SR4756	14.0	FED.	28S1	3/4	1155	12500

.410 BORE 2 $\frac{1}{2}$ INCH $\frac{1}{2}$ OUNCE LOADS

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 1/2" PLASTIC TARGET/HUNTING								
FEDERAL	209A	IMR4227	17.0	PATCTL.	PC-410	1/2	1170	12500
FEDERAL	209A	IMR4227	17.0	REM.	SP410	1/2	1155	12000
FEDERAL	209A	IMR4227	17.5	CB.	CB1050-41	1/2	1190	12200
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12200
REMINGTON	209P	IMR4227	18.5	REM.	SP410	1/2	1180	10700
WINCHESTER	209	IMR4227	18.5	PATCTL.	PC-410	1/2	1215	11800
WINCHESTER	209	IMR4227	18.0	REM.	SP410	1/2	1200	12000
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1165	11300
SHELL: REMINGTON 2 1/2" EXPRESS								
FEDERAL	209A	IMR4227	17.5	PATCTL.	PC-410	1/2	1195	12500
FEDERAL	209A	IMR4227	18.0	CB.	CB1050-41	1/2	1210	12500
FEDERAL	209A	IMR4227	17.5	FED.	410SC	1/2	1195	12400
WINCHESTER	209	IMR4227	17.5	PATCTL.	PC-410	1/2	1160	11200
WINCHESTER	209	IMR4227	18.0	CB.	CB1050-41	1/2	1160	11000
SHELL: WINCHESTER COMPRESSION FORMED "DOUBLE-A" & "SUPER-X"								
WINCHESTER	209	IMR4227	16.5	PATCTL.	PC-410	1/2	1140	12300

SHOTSHELL FIELD 10 GAUGE 3 $\frac{1}{2}$ INCH RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 3 1/2" MAGNUM PAPER BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	29.0	REM	SP10+(2)20GA 0.125" CARDS	2 1/4	1085	10700
FEDERAL	209A	SR4756	33.0	REM	SP10	2 1/4	1065	10600
FEDERAL	209A	"HI-SKOR" 800-X	32.0	REM	SP10+(4)20GA 0.125" CARDS	2	1180	10900
FEDERAL	209A	SR4756	37.0	REM	SP10+(2)20GA 0.125" CARDS	2	1175	10800
REMINGTON	209PSTS	SR4756	41.5	REM	SP10+(2)20GA 0.125" CARDS	2	1230	10800
SHELL: REMINGTON 3 1/2" NITRO MAGNUM PLASTIC BASEWAD								
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0	REM	SP10+(3)20GA 0.125" CARDS	2 1/4	1055	10800
REMINGTON	209PSTS	SR4756	34.5	REM	SP10	2 1/4	1095	10900
REMINGTON	209PSTS	SR7625	32.5	REM	SP10+(3)20GA 0.125" CARDS	2	1115	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP10+(4)20GA 0.125" CARDS	2	1145	10900
REMINGTON	209PSTS	SR4756	39.5	REM	SP10+(2)20GA 0.125" CARDS	2	1210	10800
SHELL: WINCHESTER 3 1/2" SUPER MAGNUM PLASTIC BASEWAD								
WINCHESTER	209	"HI-SKOR" 800-X	32.0	REM	SP10	2 1/4	1135	10900
WINCHESTER	209	SR4756	37.0	REM	SP10	2 1/4	1130	11000
WINCHESTER	209	"HI-SKOR" 800-X	35.0	REM	SP10+(2)20GA 0.125" CARDS	2	1230	10800
WINCHESTER	209	SR4756	42.0	REM	SP10+(1)20GA 0.125" CARD	2	1245	10700

12 GAUGE BUCKSHOT RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	BP SDC BUFFER (GRAINS)	BUCKSHOT NO. OF PELLETS	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL									
FEDERAL	209A	"HI-SKOR" 700-X	17.5	FED	12S3	20	8 00	1230	10900
FEDERAL	209A	PB	25.0	FED	12S4	20	8 00	1340	10900
FEDERAL	209A	SR7625	30.0	FED	12S4	20	8 00	1410	10800
FEDERAL	209A	"HI-SKOR" 800-X	29.0	FED	12S4	20	8 00	1465	10800
FEDERAL	209A	SR4756	37.0	WIN	WAA12R	18	8 00	1545	10900
SHELL: REMINGTON 2 3/4" NITRO 27									
REMINGTON	209PSTS	"HI-SKOR" 700-X	17.5	REM	FIG8	20	8 00	1225	10700
FEDERAL	209A	"HI-SKOR" 700-X	17.0	REM	FIG8	20	8 00	1210	10800
REMINGTON	209PSTS	PB	25.0	REM	SP12	20	8 00	1340	10600
REMINGTON	209PSTS	SR7625	30.5	REM	SP12	20	8 00	1425	10800
FEDERAL	209A	SR7625	27.0	REM	SP12	20	8 00	1360	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	REM	SP12	20	8 00	1475	10900
REMINGTON	209PSTS	SR4756	37.0	WIN	WAA12R	18	8 00	1545	11000
SHELL: WINCHESTER 2 3/4" AA									
WINCHESTER	209	"HI-SKOR" 700-X	18.0	WIN	WAA12R	20	8 00	1245	10800
WINCHESTER	209	PB	27.5	WIN	WAA12R	20	8 00	1410	10800
WINCHESTER	209	SR7625	33.0	WIN	WAA12R	20	8 00	1495	10600
FEDERAL	209A	SR7625	29.5	WIN	WAA12R	20	8 00	1430	11000
WINCHESTER	209	"HI-SKOR" 800-X	32.0	WIN	WAA12R	20	8 00	1545	10700
WINCHESTER	209	SR4756	39.5	WIN	WAA12R	18	8 00	1595	10800

12 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
FEDERAL	209A	"HI-SKOR" 700-X	18.0	FED.	12S4	1 1/4	1165	11500
FEDERAL	209A	"HI-SKOR" 700-X	20.0	WINJ.	WINDJAMMER	1 1/4	1230	11300
FEDERAL	209A	"HI-SKOR" 700-X	19.0	REM.	FIG8	1 1/4	1200	11300
FEDERAL	209A	"HI-SKOR" 700-X	18.0	WIN.	WAA12	1 1/4	1180	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	FED.	12S3	1 1/4	1205	11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1260	11500
REMINGTON	209P	"HI-SKOR" 700-X	21.0	REM.	FIG8	1 1/4	1255	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.5	WIN.	WAA12	1 1/4	1215	11400
WINCHESTER	209	"HI-SKOR" 700-X	19.0	FED.	12S3	1 1/4	1195	11500
WINCHESTER	209	"HI-SKOR" 700-X	21.0	WINJ.	WINDJAMMER	1 1/4	1250	11500
WINCHESTER	209	"HI-SKOR" 700-X	19.5	REM.	FIG8	1 1/4	1210	11100
WINCHESTER	209	"HI-SKOR" 700-X	19.0	WIN.	WAA12	1 1/4	1200	11500
FEDERAL	209A	PB	23.5	FED.	12S4	1 1/4	1225	10500
FEDERAL	209A	PB	25.0	FED.	12S4	1 1/4	1270	11300
FEDERAL	209A	PB	25.5	REM.	FIG8	1 1/4	1270	10500
FEDERAL	209A	PB	27.0	REM.	FIG8	1 1/4	1315	11500
FEDERAL	209A	PB	25.5	CLAYB.	CB3118-12AR	1 1/4	1275	11100
FEDERAL	209A	PB	26.0	CLAYB.	CB3118-12AR	1 1/4	1295	11500
REMINGTON	209P	PB	26.5	FED.	12S4	1 1/4	1295	10000
REMINGTON	209P	PB	28.0	FED.	12S4	1 1/4	1325	11100
REMINGTON	209P	PB	27.5	REM.	SP12	1 1/4	1270	9200
REMINGTON	209P	PB	29.0	REM.	SP12	1 1/4	1330	10500
REMINGTON	209P	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1275	9600
REMINGTON	209P	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1305	10200
WINCHESTER	209	PB	26.0	FED.	12S4	1 1/4	1275	10800
WINCHESTER	209	PB	27.5	FED.	12S4	1 1/4	1320	11500
WINCHESTER	209	PB	26.5	REM.	SP12	1 1/4	1280	9800
WINCHESTER	209	PB	28.0	REM.	SP12	1 1/4	1320	10600
WINCHESTER	209	PB	26.5	CLAYB.	CB3118-12AR	1 1/4	1270	10000
WINCHESTER	209	PB	28.0	CLAYB.	CB3118-12AR	1 1/4	1330	11400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
FEDERAL	209A	SR7625	27.0	FED.	12S3	1 1/4	1270	10100
FEDERAL	209A	SR7625	29.0	FED.	12S3	1 1/4	1325	11000
FEDERAL	209A	SR7275	27.0	WIN.	WAA12	1 1/4	1275	10100
FEDERAL	209A	SR7625	28.5	WIN.	WAA12	1 1/4	1330	11400
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1280	10000
FEDERAL	209A	SR7625	28.5	REM.	SP12	1 1/4	1330	11000
FEDERAL	209A	SR7625	26.5	CLAYB.	CB3118-12AR	1 1/4	1270	10100
FEDERAL	209A	SR7625	28.0	CLAYB.	CB3118-12AR	1 1/4	1320	10800
REMINGTON	209P	SR7625	28.0	FED.	12S3	1 1/4	1270	8900
REMINGTON	209P	SR7625	30.0	FED.	12S3	1 1/4	1330	9700
REMINGTON	209P	SR7625	29.0	DINJ.	WINDJAMMER	1 1/4	1280	8300
REMINGTON	209P	SR7625	30.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1270	8200
REMINGTON	209P	SR7625	30.5	REM.	SP12	1 1/4	1315	8900
WINCHESTER	209	SR7625	28.0	FED.	12S3	1 1/4	1270	9200
WINCHESTER	209	SR7625	30.0	FED.	12S3	1 1/4	1330	10300
WINCHESTER	209	SR7625	28.5	WINJ.	WINDJAMMER	1 1/4	1270	8300
WINCHESTER	209	SR7625	30.0	WINJ.	WINDJAMMER	1 1/4	1315	9000
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1270	9100
WINCHESTER	209	SR7625	29.5	WIN.	WAA12	1 1/4	1325	10200
FEDERAL	209A	SR4756	30.0	FED.	12S4	1 1/4	1285	9700
FEDERAL	209A	SR4756	31.5	FED.	12S4	1 1/4	1330	10400
FEDERAL	209A	SR4756	30.5	WIN.	WAA12R	1 1/4	1285	8900
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 1/4	1325	9700
FEDERAL	209A	SR4756	30.0	REM.	SP12	1 1/4	1270	9000
FEDERAL	209A	SR4756	31.5	REM.	SP12	1 1/4	1325	9800
REMINGTON	209P	SR4756	31.5	FED.	12S4	1 1/4	1220	7100
REMINGTON	209P	SR4756	33.0	FED.	12S4	1 1/4	1265	7600
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1285	8000
REMINGTON	209P	SR4756	34.0	WIN.	WAA12R	1 1/4	1325	8900
REMINGTON	209P	SR4756	33.0	REM.	SP12	1 1/4	1315	7400
REMINGTON	209P	SR4756	35.0	REM.	SP12	1 1/4	1335	8300
WINCHESTER	209	SR4756	31.0	FED.	12S4	1 1/4	1280	9100
WINCHESTER	209	SR4756	32.0	FED.	12S4	1 1/4	1325	9800
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1275	8400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1315	8900
WINCHESTER	209	SR4756	32.0	REM.	RP12	1 1/4	1290	8800
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 1/4	1330	9400
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/4	1280	9500
FEDERAL	209A	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1335	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1285	9200
FEDERAL	209A	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1335	10100
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	SP12	1 1/4	1280	9100
FEDERAL	209A	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1335	9900
FEDERAL	209A	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1280	8900
FEDERAL	209A	"HI-SKOR" 800-X	27.5	CLAYB.	CB3118-12AR	1 1/4	1335	9800
REMINGTON	209P	"HI-SKOR" 800-X	26.5	FED.	12S4	1 1/4	1285	8900
REMINGTON	209P	"HI-SKOR" 800-X	28.0	FED.	12S4	1 1/4	1335	9700
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	7900
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/4	1270	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1335	8500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	CLAYB.	CB3118-12AR	1 1/4	1275	7700
REMINGTON	209P	"HI-SKOR" 800-X	29.0	CLAYB.	CB3118-12AR	1 1/4	1330	8500
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1280	8800
WINCHESTER	209	"HI-SKOR" 800-X	27.5	FED.	12S3	1 1/4	1330	9700
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1265	8600
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12	1 1/4	1330	9600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1275	8200
WINCHESTER	209	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1330	9100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	CLAYB.	CB3118-12AR	1 1/4	1270	8100
WINCHESTER	209	"HI-SKOR" 800-X	28.0	CLAYB.	CB3118-12AR	1 1/4	1335	9300

12 GAUGE FIELD RELOADING DATA (Cont'd)

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC GOLD MEDAL, TOP GUN, MULTI PURPOSE								
FEDERAL	209A	PB	22.5	WIN.	WAA12R	1 3/8	1170	10800
FEDERAL	209A	PB	22.5	REM.	SP12	1 3/8	1160	10900
REMINGTON	209P	PB	26.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	PB	24.5	REM.	SP12	1 3/8	1205	11000
WINCHESTER	209	PB	24.0	WIN.	WAA12R	1 3/8	1200	11000
WINCHESTER	209	PB	23.5	REM.	SP12	1 3/8	1185	11100
FEDERAL	209A	SR7625	26.0	WIN.	WAA12R	1 3/8	1210	11000
FEDERAL	209A	SR7625	25.0	REM.	SP12	1 3/8	1180	11200
REMINGTON	209P	SR7625	28.5	WIN.	WAA12R	1 3/8	1255	11000
REMINGTON	209P	SR7625	28.0	REM.	RP12	1 3/8	1240	11100
WINCHESTER	209	SR7625	27.0	WIN.	WAA12R	1 3/8	1225	11000
WINCHESTER	209	SR7625	26.5	REM.	SP12	13/8	1210	11200
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1280	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1285	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	FED.	12S4	1 3/8	1240	10900
REMINGTON	209P	"HI-SKOR" 800-X	30.5	WIN.	WAA12R	1 3/8	1375	11000
REMINGTON	209P	"HI-SKOR" 800-X	32.0	REM.	SP12	1 3/8	1390	11000
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1260	9700
WINCHESTER	209	"HI-SKOR" 800-X	27.5	WIN.	WAA12R	1 3/8	1310	11000
WINCHESTER	209	"HI-SKOR" 800-X	29.0	REM.	SP12	1 3/8	1335	10900
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 3/8	1270	11000
FEDERAL	209A	SR4756	31.5	WIN.	WAA12R	1 3/8	1305	11000
FEDERAL	209A	SR4756	30.0	REM.	RP12	1 3/8	1265	10900
REMINGTON	209P	SR4756	35.0	WIN.	WA12R	1 3/8	1365	10500
REMINGTON	209P	SR4756	34.5	REM.	RP12	1 3/8	1350	10900
WINCHESTER	209	SR4756	34.0	WIN.	WAA12R	1 3/8	1335	11000
WINCHESTER	209	SR4756	33.0	REM.	RP12	1 3/8	1320	11200
FEDERAL	209A	SR7625	25.0	REM.	RP12	1 1/2	1140	11400
FEDERAL	209A	SR7625	25.5	WIN.	WAA12R	1 1/2	1150	11200
REMINGTON	209P	SR7625	27.5	REM.	RP12	1 1/2	1185	11100
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/2	1170	11000
WINCHESTER	209	SR7625	25.5	REM.	RP12	1 1/2	1140	11000
WINCHESTER	209	SR7625	26.5	WIN.	WAA12R	1 1/2	1160	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/2	1220	11000
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 1/2	1215	11200
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/2	1180	11200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	REM.	RP12	1 1/2	1265	11000
REMINGTON	209P	"HI-SKOR" 800-X	26.0	RED.	12S4	1 1/2	1190	10400
WINCHESTER	209	"HI-SKOR" 800-X	27.0	REM.	SP12	1 1/2	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WIN.	WAA12R	1 1/2	1245	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S4	1 1/2	1170	11000
FEDERAL	209A	SR4756	27.5	REM.	RP12	1 1/2	1160	11000
FEDERAL	209A	SR4756	28.0	WIN.	WAA12R	1 1/2	1175	11100
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/2	1220	11100
REMINGTON	209P	SR4756	30.0	WIN.	WAA12R	1 1/2	1165	9000
WINCHESTER	209	SR4756	28.5	REM.	RP12	1 1/2	1175	11000
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 1/2	1205	10800

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR. NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 3" PLASTIC HUNTING CASE PAPER BASEWAD							
FEDERAL 209A	"HI-SKOR" 800-X	29.0	REM. FED.	R12H 12S4	1 1/2	1270	10700
FEDERAL 209A	"HI-SKOR" 800-X	27.5			1 1/2	1230	10800
REMINGTON 209P	"HI-SKOR" 800-X	33.0	REM. FED.	R12H	1 1/2	1335	10600
REMINGTON 209P	"HI-SKOR" 800-X	31.0		12S4	1 1/2	1290	10600
WINCHESTER 209	"HI-SKOR" 800-X	30.0	REM. FED.	R12H	1 1/2	1290	10500
WINCHESTER 209	"HI-SKOR" 800-X	29.0		12S4	1 1/2	1260	10600
FEDERAL 209A	SR4756	33.0	WIN. REM.	WAA12R	1 1/2	1255	10700
FEDERAL 209A	SR4756	33.5		RP12	1 1/2	1285	10800
REMINGTON 209P	SR4756	37.0	WIN. REM.	WAA12R	1 1/2	1305	9600
REMINGTON 209P	SR4756	37.0		RP12	1 1/2	1295	9100
WINCHESTER 209	SR4756	37.0	WIN. REM.	WAA12R	1 1/2	1315	10400
WINCHESTER 209	SR4756	37.0		RP12	1 1/2	1305	9900
FEDERAL 209A	"HI-SKOR" 800-X	26.0	WIN. REM.	WAA12R	1 5/8	1175	10800
FEDERAL 209A	"HI-SKOR" 800-X	26.0		SP12	1 5/8	1175	10800
REMINGTON 209PSTS	"HI-SKOR" 800-X	27.5	WIN. REM.	WAA12R	1 5/8	1200	10900
REMINGTON 209PSTS	"HI-SKOR" 800-X	28.0		SP12	1 5/8	1200	10800
WINCHESTER 209	"HI-SKOR" 800-X	28.5	WIN. REM.	WAA12R	1 5/8	1230	11000
WINCHESTER 209	"HI-SKOR" 800-X	29.0		SP12	1 5/8	1230	10900
FEDERAL 209A	SR4756	31.0	WIN. REM.	WAA12R	1 5/8	1185	10800
FEDERAL 209A	SR4756	31.0		RP12	1 5/8	1185	11000
REMINGTON 209PSTS	SR4756	35.5	WIN. REM.	WAA12R	1 5/8	1250	10900
REMINGTON 209PSTS	SR4756	34.5		RP12	1 5/8	1235	10800
WINCHESTER 209	SR4756	35.5	WIN. REM.	WAA12R	1 5/8	1260	10800
WINCHESTER 209	SR4756	36.0		RP12	1 5/8	1260	10800
FEDERAL 209A	"HI-SKOR" 800-X	25.5	WIN. REM.	WAA12R	1 3/4	1130	10700
FEDERAL 209A	"HI-SKOR" 800-X	25.0		RP12	1 3/4	1115	10800
REMINGTON 209P	"HI-SKOR" 800-X	28.0	WIN. REM.	WAA12R	1 3/4	1175	10600
REMINGTON 209P	"HI-SKOR" 800-X	28.0		RP12	1 3/4	1170	10500
WINCHESTER 209	"HI-SKOR" 800-X	27.5	WIN. REM.	WAA12R	1 3/4	1165	10800
WINCHESTER 209	"HI-SKOR" 800-X	27.5		RP12	1 3/4	1155	10600
SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27							
REMINGTON 209P	PB	23.0	REM.	SP12	1 1/4	1215	10600
REMINGTON 209P	PB	24.5	REM.	SP12	1 1/4	1270	11500
FEDERAL 209A	SR7625	24.0	REM.	SP12	1 1/4	1215	10600
FEDERAL 209A	SR7625	25.5	REM.	SP12	1 1/4	1265	11500
FEDERAL 209A	SR7625	24.0	WIN.	WAA12R	1 1/4	1210	9900
FEDERAL 209A	SR7625	26.0	WIN.	WAA12R	1 1/4	1280	11300
REMINGTON 209P	SR7625	27.5	REM.	SP12	1 1/4	1280	10600
REMINGTON 209P	SR7625	28.5	REM.	SP12	1 1/4	1330	11500
REMINGTON 209P	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10300
REMINGTON 209P	SR7625	28.5	WIN.	WAA12R	1 1/4	1335	11400
WINCHESTER 209	SR7625	26.5	REM.	SP12	1 1/4	1280	10800
WINCHESTER 209	SR7625	27.5	REM.	SP12	1 1/4	1315	11500
WINCHESTER 209	SR7625	27.0	WIN.	WAA12R	1 1/4	1280	10200
WINCHESTER 209	SR7625	29.0	WIN.	WAA12R	1 1/4	1340	11500
FEDERAL 209A	SR4756	26.5	REM.	RP12	1 1/4	1235	10500
FEDERAL 209A	SR4756	28.0	REM.	RP12	1 1/4	1300	11500
FEDERAL 209A	SR4756	28.0	WIN.	WAA12R	1 1/4	1270	10600
FEDERAL 209A	SR4756	29.0	WIN.	WAA12R	1 1/4	1315	11400
FEDERAL 209A	SR4756	26.5	FED.	12S4	1 1/4	1230	10700
FEDERAL 209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11400
REMINGTON 209P	SR4756	30.0	REM.	SP12	1 1/4	1275	9300
REMINGTON 209P	SR4756	31.5	REM.	SP12	1 1/4	1335	10400

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	FIG8	1 1/4	1270	10200
FEDERAL	209A	"HI-SKOR" 800-X	25.5	REM.	FIG8	1 1/4	1325	11100
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WINJ.	WINDJAMMER	1 1/4	1275	9900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WINJ.	WINDJAMMER	1 1/4	1330	10900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	WIN.	WAA12	1 1/4	1275	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.0	FED.	12S3	1 1/4	1275	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1265	9500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1320	10200
REMINGTON	209P	"HI-SKOR" 800-X	25.0	WINJ.	WINDJAMMER	1 1/4	1265	9000
REMINGTON	209P	"HI-SKOR" 800-X	26.5	WINJ.	WINDJAMMER	1 1/4	1325	10000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1275	10300
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11100
REMINGTON	209P	"HI-SKOR" 800-X	24.5	FED.	12S3	1 1/4	1270	10500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S3	1 1/4	1320	11400
WINCHESTER	209	"HI-SKOR" 800-X	24.5	REM.	SP12	1 1/4	1280	10100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 1/4	1335	11000
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1275	9700
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1285	11000
WINCHESTER	209	"HI-SKOR" 800-X	25.5	WIN.	WAA12	1 1/4	1320	11500
WINCHESTER	209	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1275	10600
WINCHESTER	209	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1330	11500
FEDERAL	209A	PB	19.5	WIN.	WAA12R	1 3/8	1105	10900
FEDERAL	209A	PB	19.5	REM.	SP12	1 3/8	1090	11000
REMINGTON	209P	PB	21.5	WIN.	WAA12R	1 3/8	1150	10900
REMINGTON	209P	PB	21.0	REM.	SP12	1 3/8	1130	11000
WINCHESTER	209	PB	21.5	WIN.	WAA12R	1 3/8	1145	11000
WINCHESTER	209	PB	20.5	REM.	RP12	1 3/8	1120	11100
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 3/8	1100	10800
FEDERAL	209A	SR7625	22.0	REM.	SP12	1 3/8	1110	11200
REMINGTON	209P	SR7625	25.0	WIN.	WAA12R	1 3/8	1185	11000
REMINGTON	209P	SR7625	24.5	REM.	RP12	1 3/8	1165	10800
WINCHESTER	209	SR7625	23.5	WIN.	WAA12R	1 3/8	1145	10900
WINCHESTER	209	SR7625	23.0	REM.	RP12	1 3/8	1140	11100
FEDERAL	209A	"HI-SKOR" 800-X	23.0	WIN.	WAA12R	1 3/8	1215	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	RP12	1 3/8	1205	11000
FEDERAL	209A	"HI-SKOR" 800-X	21.5	FED.	12S4	1 3/8	1155	10900
REMINGTON	209P	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1270	11100
REMINGTON	209P	"HI-SKOR" 800-X	26.5	REM.	SP12	1 3/8	1275	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.0	FED.	12S4	1 3/8	1225	11100
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA12R	1 3/8	1240	10900
WINCHESTER	209	"HI-SKOR" 800-X	24.0	REM.	SP12	1 3/8	1230	11000
WINCHESTER	209	"HI-SKOR" 800-X	22.5	FED.	12S3	1 3/8	1180	11100
FEDERAL	209A	SR4756	26.0	WIN.	WAA12R	1 3/8	1205	11100
FEDERAL	209A	SR4756	26.0	REM.	SP12	1 3/8	1175	11000
REMINGTON	209P	SR4756	30.5	WIN.	WAA12R	1 3/8	1290	11100
REMINGTON	209P	SR4756	30.0	REM.	SP12	1 3/8	1260	10900
WINCHESTER	209	SR4756	28.5	WIN.	WAA12R	1 3/8	1230	10900
WINCHESTER	209	SR4756	29.0	REM.	RP12	1 3/8	1250	11100
FEDERAL	209A	SR7625	21.0	REM.	RP12	1 1/2	1040	11000
FEDERAL	209A	SR7625	21.5	WIN.	WAA12R	1 1/2	1055	11000
REMINGTON	209P	SR7625	23.5	REM.	RP12	1 1/2	1090	11200
REMINGTON	209P	SR7625	23.5	WIN.	WAA12R	1 1/2	1085	11000
WINCHESTER	209	SR7625	22.5	REM.	RP12	1 1/2	1080	11200
WINCHESTER	209	SR7625	23.0	WIN.	WAA12R	1 1/2	1080	11000

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER, RTL, STS, NITRO 27								
FEDERAL	209A	"HI-SKOR" 800-X	22.0	REM. WIN.	RP12 WAA12R	1 1/2	1130	11200
FEDERAL	209A	"HI-SKOR" 800-X	22.5			1 1/2	1140	11300
REMINGTON	209P	"HI-SKOR" 800-X	23.0	REM. WIN.	RP12 WAA12R	1 1/2	1155	11200
REMINGTON	209P	"HI-SKOR" 800-X	23.5			1 1/2	1170	11200
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM. WIN.	RP12 WAA12R	1 1/2	1140	11300
WINCHESTER	209	"HI-SKOR" 800-X	23.0			1 1/2	1150	11200
FEDERAL	209A	SR4756	23.5	REM. WIN.	RP12 WAA12R	1 1/2	1075	11000
FEDERAL	209A	SR4756	24.0			1 1/2	1090	11000
REMINGTON	209P	SR4756	27.0	REM. WIN.	RP12 WAA12R	1 1/2	1150	11200
REMINGTON	209P	SR4756	27.5			1 1/2	1160	11000
WINCHESTER	209	SR4756	25.5	REM. WIN.	RP12 WAA12R	1 1/2	1115	11000
WINCHESTER	209	SR4756	26.5			1 1/2	1130	11200
SHELL: REMINGTON 3" NITRO PLASTIC BASEWAD								
WINCHESTER	209	SR7625	33.5	REM. REM.	SP12 RXP12	1 1/2	1280	10700
WINCHESTER	209	SR7625	34.0			1 1/2	1285	10600
WINCHESTER	209	SR4756	38.5	REM.	SP12	1 1/2	1345	10500
WINCHESTER	209	"HI-SKOR" 800-X	29.5	WIN. REM.	WAA12 SP12	1 1/2	1285	10800
WINCHESTER	209	"HI-SKOR" 800-X	30.5			1 1/2	1300	10600
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN. REM.	WAA12 R12H	1 5/8	1160	10900
FEDERAL	209A	"HI-SKOR" 800-X	25.5			1 5/8	1160	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	27.5	WIN. REM.	WAA12 SP12	1 5/8	1205	10800
REMINGTON	209PSTS	"HI-SKOR" 800-X	28.0			1 5/8	1210	10900
WINCHESTER	209	"HI-SKOR" 800-X	28.0	WIN. REM.	WAA12 SP12	1 5/8	1210	10800
WINCHESTER	209	"HI-SKOR" 800-X	28.0			1 5/8	1210	10800
FEDERAL	209A	SR4756	30.0	WIN. REM.	WAA12R RP12	1 5/8	1180	11000
FEDERAL	209A	SR4756	30.5			1 5/8	1175	10900
REMINGTON	209PSTS	SR4756	34.0	WIN. REM.	WAA12R RP12	1 5/8	1240	10900
REMINGTON	209PSTS	SR4756	34.0			1 5/8	1235	10900
WINCHESTER	209	SR4756	35.0	WIN. REM.	WAA12R RP12	1 5/8	1250	11000
WINCHESTER	209	SR4756	33.5			1 5/8	1230	10800
SHELL: WINCHESTER 2 3/4" AA								
FEDERAL	209A	"HI-SKOR" 700-X	17.0	WINJ.	WINDJAMMER	1 1/4	1140	11500
REMINGTON	209P	"HI-SKOR" 700-X	19.0	WINJ.	WINDJAMMER	1 1/4	1200	11200
WINCHESTER	209	"HI-SKOR" 700-X	17.5	WINJ.	WINDJAMMER	1 1/4	1150	11400
WINCHESTER	209	PB	23.5	WIN.	WAA12R	1 1/4	1220	10500
WINCHESTER	209	PB	25.0	WIN.	WAA12R	1 1/4	1270	11500
FEDERAL	209A	SR7625	26.5	WIN.	WAA12R	1 1/4	1285	10900
FEDERAL	209A	SR7625	27.5	WIN.	WAA12R	1 1/4	1320	11500
FEDERAL	209A	SR7625	26.0	REM.	SP12	1 1/4	1275	11000
FEDERAL	209A	SR7625	27.0	REM.	SP12	1 1/4	1310	11500
REMINGTON	209P	SR7625	28.0	WIN.	WAA12R	1 1/4	1270	9100
REMINGTON	209P	SR7625	29.5	WIN.	WAA12R	1 1/4	1325	10300
REMINGTON	209P	SR7625	28.0	REM.	SP12	1 1/4	1290	10200
REMINGTON	209P	SR7625	29.0	REM.	SP12	1 1/4	1325	10900
REMINGTON	209P	SR7625	26.5	FED.	12S4	1 1/4	1265	10700
REMINGTON	209P	SR7625	28.0	FED.	12S4	1 1/4	1315	11500
WINCHESTER	209	SR7625	27.0	WIN.	WAA12	1 1/4	1275	11000
WINCHESTER	209	SR7625	28.0	WIN.	WAA12	1 1/4	1310	11500
WINCHESTER	209	SR7625	27.5	REM.	SP12	1 1/4	1275	10300
WINCHESTER	209	SR7625	29.0	REM.	SP12	1 1/4	1325	11400
WINCHESTER	209	SR7625	25.0	FED.	12S4	1 1/4	1215	10200
WINCHESTER	209	SR7625	26.5	FED.	12S4	1 1/4	1270	11400
FEDERAL	209A	SR4756	28.5	WIN.	WAA12R	1 1/4	1280	10600
FEDERAL	209A	SR4756	30.0	WIN.	WAA12R	1 1/4	1330	11500
FEDERAL	209A	SR4756	26.0	FED.	12S4	1 1/4	1225	10700
FEDERAL	209A	SR4756	27.5	FED.	12S4	1 1/4	1270	11500
FEDERAL	209A	SR4756	28.5	REM.	SP12	1 1/4	1285	10800
FEDERAL	209A	SR4756	29.5	REM.	SP12	1 1/4	1325	11500

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER 2 3/4" AA								
REMINGTON	209P	SR4756	31.5	WIN.	WAA12R	1 1/4	1270	8200
REMINGTON	209P	SR4756	33.0	WIN.	WAA12R	1 1/4	1330	9000
REMINGTON	209P	SR4756	29.5	FED.	12S4	1 1/4	1230	8400
REMINGTON	209P	SR4756	30.5	REM.	RP12	1 1/4	1275	9600
REMINGTON	209P	SR4756	31.5	REM.	RP12	1 1/4	1330	10600
WINCHESTER	209	SR4756	30.5	WIN.	WAA12R	1 1/4	1280	9400
WINCHESTER	209	SR4756	32.0	WIN.	WAA12R	1 1/4	1335	10300
WINCHESTER	209	SR4756	26.5	FED.	12S4	1 1/4	1180	9000
WINCHESTER	209	SR4756	27.5	FED.	12S4	1 1/4	1220	9500
WINCHESTER	209	SR4756	30.0	REM.	SP12	1 1/4	1285	10000
WINCHESTER	209	SR4756	31.5	REM.	SP12	1 1/4	1340	11000
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WIN.	WAA12	1 1/4	1270	10400
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WIN.	WAA12	1 1/4	1325	11400
FEDERAL	209A	"HI-SKOR" 800-X	24.5	WINJ.	WINDJAMMER	1 1/4	1270	9300
FEDERAL	209A	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1320	10000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1275	9800
FEDERAL	209A	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10700
FEDERAL	209A	"HI-SKOR" 800-X	24.5	FED.	12S4	1 1/4	1270	10600
FEDERAL	209A	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1325	11500
REMINGTON	209P	"HI-SKOR" 800-X	27.0	WIN.	WAA12	1 1/4	1275	8200
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WIN.	WAA12	1 1/4	1335	9600
REMINGTON	209P	"HI-SKOR" 800-X	26.0	WINJ.	WINDJAMMER	1 1/4	1270	8100
REMINGTON	209P	"HI-SKOR" 800-X	28.5	WINJ.	WINDJAMMER	1 1/4	1325	9000
REMINGTON	209P	"HI-SKOR" 800-X	27.5	REM.	SP12	1 1/4	1280	7800
REMINGTON	209P	"HI-SKOR" 800-X	29.0	REM.	SP12	1 1/4	1325	8500
REMINGTON	209P	"HI-SKOR" 800-X	26.0	FED.	12S4	1 1/4	1265	8600
REMINGTON	209P	"HI-SKOR" 800-X	27.5	FED.	12S4	1 1/4	1320	9600
WINCHESTER	209	"HI-SKOR" 800-X	25.0	WIN.	WAA12	1 1/4	1270	9900
WINCHESTER	209	"HI-SKOR" 800-X	26.5	WIN.	WAA12	1 1/4	1320	10700
WINCHESTER	209	"HI-SKOR" 800-S	25.5	WINJ.	WINDJAMMER	1 1/4	1275	9000
WINCHESTER	209	"HI-SKOR" 800-X	27.0	WINJ.	WINDJAMMER	1 1/4	1330	10000
WINCHESTER	209	"HI-SKOR" 800-X	25.0	REM.	SP12	1 1/4	1270	9400
WINCHESTER	209	"HI-SKOR" 800-X	26.5	REM.	SP12	1 1/4	1325	10200
WINCHESTER	209	"HI-SKOR" 800-X	25.0	FED.	12S3	1 1/4	1275	10000
WINCHESTER	209	"HI-SKOR" 800-X	26.5	FED.	12S3	1 1/4	1330	10900
FEDERAL	209A	PB	20.0	WIN.	WAA12R	1 3/8	1105	11200
FEDERAL	209A	PB	19.5	REM.	RP12	1 3/8	1090	11100
REMINGTON	209P	PB	22.5	WIN.	WAA12R	1 3/8	1165	11100
REMINGTON	209P	PB	22.0	REM.	RP12	1 3/8	1150	11200
WINCHESTER	209	PB	21.0	WIN.	WAA12R	1 3/8	1125	10900
WINCHESTER	209	PB	20.5	REM.	SP12	1 3/8	1115	11100
FEDERAL	209A	SR7625	22.5	WIN.	WAA12R	1 3/8	1130	11000
FEDERAL	209A	SR7625	23.0	REM.	SP12	1 3/8	1130	11100
REMINGTON	209P	SR7625	26.0	WIN.	WAA12R	1 3/8	1190	11000
REMINGTON	209P	SR7625	24.5	REM.	SP12	1 3/8	1155	10900
WINCHESTER	209	SR7625	24.0	WIN.	WAA12R	1 3/8	1155	11200
WINCHESTER	209	SR7625	24.0	REM.	SP12	1 3/8	1150	10900
FEDERAL	209A	"HI-SKOR" 800-X	25.5	WIN.	WAA12R	1 3/8	1260	11000
FEDERAL	209A	"HI-SKOR" 800-X	25.0	REM.	SP12	1 3/8	1245	11100
FEDERAL	209A	"HI-SKOR" 800-X	22.5	FED.	12S4	1 3/8	1180	11100
REMINGTON	209P	"HI-SKOR" 800-X	29.0	WIN.	WAA12R	1 3/8	1320	10100
REMINGTON	209P	"HI-SKOR" 800-X	30.0	REM.	RP12	1 3/8	1345	11200
REMINGTON	209P	"HI-SKOR" 800-X	27.0	FED.	12S4	1 3/8	1280	11100
WINCHESTER	209	"HI-SKOR" 800-X	26.0	WIN.	WAA12R	1 3/8	1275	11000
WINCHESTER	209	"HI-SKOR" 800-X	26.0	REM.	SP12	1 3/8	1270	11100
WINCHESTER	209	"HI-SKOR" 800-X	23.5	FED.	12S4	1 3/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

12 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: WINCHESTER 2 3/4" AA								
FEDERAL	209A	SR4756	27.0	WIN.	WAA12R	1 3/8	1185	10900
FEDERAL	209A	SR4756	27.5	REM.	SP12	1 3/8	1210	11200
REMINGTON	209P	SR4756	32.0	WIN.	WAA12R	1 3/8	1290	10600
REMINGTON	209P	SR4756	31.0	REM.	RP12	1 3/8	1265	10900
WINCHESTER	209	SR4756	30.0	WIN.	WAA12R	1 3/8	1265	11200
WINCHESTER	209	SR4756	28.5	REM.	SP12	1 3/8	1230	11000
SHELL: WINCHESTER 3" AA PLASTIC BASEWAD								
FEDERAL	209A	"HI-SKOR" 800-X	28.0	WIN.	WAA12	1 5/8	1210	10800
FEDERAL	209A	"HI-SKOR" 800-X	28.5	REM.	RXP12	1 5/8	1220	11000
REMINGTON	209PSTS	"HI-SKOR" 800-X	30.0	WIN.	WAA12	1 5/8	1250	10900
REMINGTON	209PSTS	"HI-SKOR" 800-X	31.5	REM.	RXP12	1 5/8	1265	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	WIN.	WAA12	1 5/8	1260	11000
WINCHESTER	209	"HI-SKOR" 800-X	30.5	REM.	RXP12	1 5/8	1255	11000
FEDERAL	209A	SR4756	31.0	WIN.	WAA12F114	1 5/8	1180	10800
FEDERAL	209A	SR4756	33.0	REM.	SP12	1 5/8	1225	10900
REMINGTON	209PSTS	SR4756	37.5	2IN.	WAA12R	1 5/8	1290	11000
REMINGTON	209PSTS	SR4756	35.5	REM.	RP12	1 5/8	1265	10900
WINCHESTER	209	SR4756	38.5	WIN.	WAA12R	1 5/8	1295	10900
WINCHESTER	209	SR4756	37.5	REM.	RP12	1 5/8	1290	11000

16 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" GAME								
FEDERAL	209A	"HI-SKOR" 700-X	15.5	WIN.	WAA16	1	1175	11000
REMINGTON	209P	"HI-SKOR" 700-X	16.5	WIN.	WAA16	1	1210	11200
WINCHESTER	209	"HI-SKOR" 700-X	16.0	WIN.	WAA16	1	1195	11200
FEDERAL	209A	PB	21.5	WIN.	WAA16	1	1280	11000
REMINGTON	209P	PB	25.0	REM.	SP16	1	1360	11200
WINCHESTER	209	PB	23.5	WIN.	WAA16	1	1330	11200
FEDERAL	209A	SR7625	24.5	WIN.	WAA16	1	1340	11000
REMINGTON	209P	SR7625	26.5	REM.	SP16	1	1375	10400
WINCHESTER	209	SR7625	25.0	WIN.	WAA16	1	1330	9900
FEDERAL	209A	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1385	10400
REMINGTON	209P	"HI-SKOR" 800-X	25.0	REM.	SP16	1	1350	8300
WINCHESTER	209	"HI-SKOR" 800-X	24.5	WIN.	WAA16	1	1390	10200
FEDERAL	209A	SR4756	25.0	WIN.	WAA16	1	1240	8500
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1210	6400
WINCHESTER	209	SR4756	25.0	WIN.	WAA16	1	1210	7200
FEDERAL	209A	PB	19.0	REM.	SP16	1 1/8	1145	10800
REMINGTON	209P	PB	21.0	REM.	SP16	1 1/8	1205	10500
WINCHESTER	209	PB	20.5	REM.	SP16	1 1/8	1195	11000
FEDERAL	209A	SR7625	22.0	REM.	SP16	1 1/8	1220	11000
REMINGTON	209P	SR7625	23.0	REM.	SP16	1 1/8	1200	9000
WINCHESTER	209	SR7625	23.0	REM.	SP16	1 1/8	1240	10800
FEDERAL	209A	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	11000
REMINGTON	209P	"HI-SKOR" 800-X	24.5	REM.	SP16	1 1/8	1310	10100
WINCHESTER	209	"HI-SKOR" 800-X	22.5	REM.	SP16	1 1/8	1285	10800
FEDERAL	209A	SR4756	23.0	REM.	SP16	1 1/8	1150	8400
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1045	6200
WINCHESTER	209	SR4756	23.0	REM.	SP16	1 1/8	1120	7700

16 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" GAME (BLACK)								
FEDERAL	209A	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1095	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1150	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.5	WIN.	WAA16	1	1120	11200
FEDERAL	209A	PB	17.5	REM.	SP16	1	1180	11200
REMINGTON	209P	PB	20.0	REM.	SP16	1	1240	10700
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1210	11000
FEDERAL	209A	SR7625	21.0	REM.	SP16	1	1250	11200
REMINGTON	209P	SR7625	23.5	REM.	SP16	1	1310	11200
WINCHESTER	209	SR7625	22.5	WIN.	WAA16	1	1285	11200
FEDERAL	209A	"HI-SKOR" 800-X	20.5	REM.	SP16	1	1295	11200
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1390	11100
WINCHESTER	209	"HI-SKOR" 800-X	21.5	WIN.	WAA16	1	1315	11000
FEDERAL	209A	SR4756	23.5	REM.	SP16	1	1280	11000
REMINGTON	209P	SR4756	29.0	REM.	SP16	1	1380	10100
WINCHESTER	209	SR4756	22.0	WIN.	WAA16	1	1160	8200
FEDERAL	209A	PB	16.5	REM.	SP16	1 1/8	1090	11000
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1140	11000
WINCHESTER	209	PB	18.0	REM.	SP16	1 1/8	1120	11100
FEDERAL	209A	SR7625	19.5	REM.	SP16	1 1/8	1140	11000
REMINGTON	209P	SR7625	22.0	REM.	SP16	1 1/8	1210	11000
WINCHESTER	209	SR7625	21.0	REM.	SP16	1 1/8	1180	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1195	10800
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP16	1 1/8	1240	10800
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP16	1 1/8	1220	10900
FEDERAL	209A	SR4756	22.0	REM.	SP16	1 1/8	1185	10900
REMINGTON	209P	SR4756	24.0	REM.	SP16	1 1/8	1175	9500
WINCHESTER	209	SR4756	23.5	REM.	SP16	1 1/8	1220	11000
SHELL: WINCHESTER 2 3/4" X-PERT								
FEDERAL	209A	"HI-SKOR" 700-X	12.5	WIN.	WAA16	1	1085	11000
REMINGTON	209P	"HI-SKOR" 700-X	14.5	WIN.	WAA16	1	1145	11000
WINCHESTER	209	"HI-SKOR" 700-X	13.0	WIN.	WAA16	1	1105	11000
FEDERAL	209A	PB	19.5	WIN.	WAA16	1	1240	11200
REMINGTON	209P	PB	21.0	REM.	SP16	1	1265	10800
WINCHESTER	209	PB	19.0	WIN.	WAA16	1	1220	10900
FEDERAL	209A	SR7625	20.5	WIN.	WAA16	1	1230	10900
REMINGTON	209P	SR7625	23.0	REM.	SP16	1	1290	11200
WINCHESTER	209	SR7625	22.0	WIN.	WAA16	1	1270	11000
FEDERAL	209A	"HI-SKOR" 800-X	22.5	WIN.	WAA16	1	1350	10800
REMINGTON	209P	"HI-SKOR" 800-X	24.0	REM.	SP16	1	1350	9000
WINCHESTER	209	"HI-SKOR" 800-X	23.0	WIN.	WAA16	1	1360	11200
FEDERAL	209A	SR4756	22.5	REM.	SP16	1	1245	10900
REMINGTON	209P	SR4756	27.0	REM.	SP16	1	1335	9900
WINCHESTER	209	SR4756	21.0	WIN.	WAA16	1	1130	7800
FEDERAL	209A	PB	16.0	REM.	SP16	1 1/8	1075	11100
REMINGTON	209P	PB	18.5	REM.	SP16	1 1/8	1145	11100
WINCHESTER	209	PB	17.0	REM.	SP16	1 1/8	1100	10800
FEDERAL	209A	SR7625	18.0	REM.	SP16	1 1/8	1100	10800
REMINGTON	209P	SR7625	19.5	REM.	SP16	1 1/8	1160	10900
WINCHESTER	209	SR7625	19.0	REM.	SP16	1 1/8	1140	10900
FEDERAL	209A	"HI-SKOR" 800-X	19.0	REM.	SP16	1 1/8	1180	10900
REMINGTON	209P	"HI-SKOR" 800-X	22.0	REM.	SP16	1 1/8	1245	10100
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP16	1 1/8	1210	11000
FEDERAL	209A	SR4756	20.5	REM.	SP16	1 1/8	1150	10800
REMINGTON	209P	SR4756	23.0	REM.	SP16	1 1/8	1150	8900
WINCHESTER	209	SR4756	22.5	REM.	SP16	1 1/8	1200	11100

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

20 GAUGE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: FEDERAL 2 3/4" PLASTIC TARGET/HUNTING								
FEDERAL	209A	SR7625	19.0	WIN.	WAA20F1	1	1205	11700
REMINGTON	209P	SR7625	21.0	REM.	SP20	1	1240	11400
WINCHESTER	209	SR7625	20.5	WIN.	WAA20F1	1	1235	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1	1255	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.5	REM.	SP20	1	1245	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.0	WIN.	WAA20F1	1	1270	11800
REMINGTON	209P	"HI-SKOR" 800-X	20.0	FED.	20S1	1	1275	11100
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1	1320	11400
REMINGTON	209P	"HI-SKOR" 800-X	21.0	WIN.	WAA20F1	1	1330	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1	1270	11600
WINCHESTER	209	"HI-SKOR" 800-X	20.0	REM.	SP20	1	1290	11700
WINCHESTER	209	"HI-SKOR" 800-X	19.5	WIN.	WAA20F1	1	1285	11500
SHELL: FEDERAL 3" MAGNUM PAPER BASE WAD								
FEDERAL	209A	PB	17.0	FED.	20S1	1 1/8	1080	11300
FEDERAL	209A	PB	18.0	REM.	RXP20	1 1/8	1130	11500
FEDERAL	209A	PB	17.5	2IN.	WAA20	1 1/8	1110	11600
REMINGTON	209P	PB	19.0	FED.	2051	1 1/8	1140	11600
REMINGTON	209P	PB	20.0	REM.	RXP20	1 1/8	1175	11400
WINCHESTER	209	PB	19.0	FED.	20S1	1 1/8	1160	11700
WINCHESTER	209	PB	18.0	REM.	RXP20	1 1/8	1120	11400
WINCHESTER	209	PB	17.0	WIN.	WAA20	1 1/8	1090	11400
FEDERAL	209A	"HI-SKOR" 800-X	19.0	FED.	20S1	1 1/8	1200	11600
FEDERAL	209A	"HI-SKOR" 800-X	19.5	REM.	RXP20	1 1/8	1215	11500
FEDERAL	209A	"HI-SKOR" 800-X	19.5	WIN.	WAA20	1 1/8	1210	11500
REMINGTON	209P	"HI-SKOR" 800-X	22.0	FED.	20S1	1 1/8	1275	11700
REMINGTON	209P	"HI-SKOR" 800-X	21.0	REM.	SP20	1 1/8	1255	11600
REMINGTON	209P	"HI-SKOR" 800-X	22.0	WIN.	WAA20	1 1/8	1275	11400
WINCHESTER	209	"HI-SKOR" 800-X	19.5	FED.	20S1	1 1/8	1210	11600
WINCHESTER	209	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/8	1210	11500
WINCHESTER	209	"HI-SKOR" 800-X	19.0	WIN.	WAA20	1 1/8	1200	11400
FEDERAL	209A	SR4756	21.0	FED.	20S1	1 1/8	1165	11400
FEDERAL	209A	SR4756	21.5	REM.	SP20	1 1/8	1190	11700
FEDERAL	209A	SR4756	20.5	WIN.	WAA20	1 1/8	1160	11700
REMINGTON	209P	SR4756	24.0	FED.	20S1	1 1/8	1235	11200
REMINGTON	209P	SR4756	24.5	REM.	SP20	1 1/8	1250	11200
REMINGTON	209P	SR4756	24.0	WIN.	WAA20	1 1/8	1240	11000
WINCHESTER	209	SR4756	21.5	FED.	20S1	1 1/8	1185	11300
WINCHESTER	209	SR4756	23.0	REM.	SP20	1 1/8	1215	11500
WINCHESTER	209	SR4756	22.5	WIN.	WAA20	1 1/8	1215	11700
FEDERAL	209A	"HI-SKOR" 800-X	17.5	REM.	SP20	1 1/4	1095	11500
FEDERAL	209A	"HI-SKOR" 800-X	18.0	WIN.	WAA20F1	1 1/4	1115	11700
REMINGTON	209P	"HI-SKOR" 800-X	19.5	REM.	SP20	1 1/4	1155	11400
REMINGTON	209P	"HI-SKOR" 800-X	20.0	WIN.	WAA20F1	1 1/4	1170	11000
WINCHESTER	209	"HI-SKOR" 800-X	18.0	REM.	SP20	1 1/4	1105	11400
WINCHESTER	209	"HI-SKOR" 800-X	18.5	WIN.	WAA20F1	1 1/4	1130	11400
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
FEDERAL	209A	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
FEDERAL	209A	SR7625	14.5	REM.	SP20	1	1055	11500
REMINGTON	209P	SR7625	16.5	WIN.	WAA20F1	1	1125	11800
REMINGTON	209P	SR7625	16.0	REM.	SP20	1	1105	11600
WINCHESTER	209	SR7626	16.0	WIN.	WAA20F1	1	1110	11800
WINCHESTER	209	SR7625	16.0	REM.	SP20	1	1105	11400
FEDERAL	209A	"HI-SKOR" 800-X	15.0	FED.	20S1	1	1115	11400
FEDERAL	209A	"HI-SKOR" 800-X	16.0	REM.	SP20	1	1170	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11800
REMINGTON	209P	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11200
REMINGTON	209P	"HI-SKOR" 800-X	17.5	REM.	SP20	1	1220	11900
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1205	11700

20 GAUGE FIELD RELOADING DATA (Cont'd)

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	MFR.	WAD COLUMN DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 2 3/4" PREMIER (RTL)								
WINCHESTER	209	"HI-SKOR" 800-X	16.0	FED.	20S1	1	1160	11700
WINCHESTER	209	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1200	11800
WINCHESTER	209	"HI-SKOR" 800-X	16.5	WIN.	WAA20F1	1	1185	11800
FEDERAL	209A	SR4756	17.0	REM.	SP20	1	1125	11800
REMINGTON	209P	SR4756	19.5	REM.	SP20	1	1185	11500
WINCHESTER	209	SR4756	18.5	REM.	SP20	1	1160	11700
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	15.5	FED.	20C1	1 1/8	1095	11600
FEDERAL	209A	"HI-SKOR" 800-X	15.5	REM.	SP20	1 1/8	1105	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.5	WIN.	WAA20	1 1/8	1095	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	FED.	20C1	1 1/8	1145	11600
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	SP20	1 1/8	1150	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11100
WINCHESTER	209	"HI-SKOR" 800-X	16.5	FED.	20C1	1 1/8	1120	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/8	1100	11600
WINCHESTER	209	"HI-SKOR" 800-X	16.0	WIN.	WAA20	1 1/8	1110	11600
SHELL: REMINGTON 3" UNIBODY								
FEDERAL	209A	"HI-SKOR" 800-X	14.5	REM.	SP20	1 1/4	1020	11700
REMINGTON	209P	"HI-SKOR" 800-X	16.0	REM.	SP20	1 1/4	1070	11700
WINCHESTER	209	"HI-SKOR" 800-X	15.0	REM.	SP20	1 1/4	1035	11600
SHELL: WINCHESTER 2 3/4" SUPER-X								
FEDERAL	209A	SR7625	14.0	WIN.	WAA20F1	1	1040	11400
FEDERAL	209A	SR7625	14.5	REM.	RXP20	1	1060	11600
REMINGTON	209P	SR7625	15.0	WIN.	WAA20F1	1	1065	10900
REMINGTON	209P	SR7625	15.0	REM.	RXP20	1	1050	9800
WINCHESTER	209	SR7625	14.5	WIN.	WAA20F1	1	1060	11400
WINCHESTER	209	SR7625	15.0	REM.	RXP20	1	1065	11300
FEDERAL	209A	"HI-SKOR" 800-X	14.5	WIN.	WAA20F1	1	1130	11800
FEDERAL	209A	"HI-SKOR" 800-X	15.0	REM.	RXP20	1	1135	11700
REMINGTON	209P	"HI-SKOR" 800-X	17.0	WIN.	WAA20F1	1	1200	11500
REMINGTON	209P	"HI-SKOR" 800-X	17.0	REM.	RXP20	1	1185	10800
WINCHESTER	209	"HI-SKOR" 800-X	15.5	WIN.	WAA20F1	1	1150	11500
WINCHESTER	209	"HI-SKOR" 800-X	16.0	REM.	RXP20	1	1160	11600
WINCHESTER	209	SR4756	17.0	WIN.	WAA20F1	1	1105	11100
WINCHESTER	209	SR4756	17.0	REM.	RXP20	1	1100	10700

Downloading, printing and use of the information on this page signifies acceptance of and compliance with all IMR Handloader's Guide cautions and safety recommendations.

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

Data shown were obtained under controlled conditions: to achieve the ballistic results as listed in this Guide, you must comply, exactly, with each and every listed condition that produced these results. In effect, these data as presented in the shotshell section are a "recipe," to be followed without deviation to achieve the stated ballistic level. The values shown may vary substantially if different component combinations and/or techniques are employed.

.410 BORE FIELD RELOADING DATA

PRIMER MFR.	NO.	IMR POWDER DESIGNATION	GRAINS	WAD COLUMN MFR.	DESIGNATION	LEAD SHOT (OZ.)	MUZZLE VELOCITY (FT/SEC)	CHAMBER PRESSURE (PSI)
SHELL: REMINGTON 3" SP "EXPRESS"								
REMINGTON	209PSTS	IMR4198	26.5	REM.	SP410	1/2	1455	11100
FEDERAL	209A	IMR4227	19.0	REM.	SP410	11/16	1175	13300
REMINGTON	209P	IMR4227	19.0	REM.	SP410	11/16	1115	10900
WINCHESTER	209	IMR4227	19.0	REM.	SP410	11/16	1120	11600
SHELL: WINCHESTER 3" COMPRESSION-FORMED "SUPER-X"								
WINCHESTER	209	IMR4198	22.0	WIN.	WAA41	1/2	1260	9100
FEDERAL	209A	IMR4227	16.5	WIN.	WAA41	5/8	1055	10700
WINCHESTER	209	IMR4227	16.5	WIN.	WAA41	5/8	1015	9200

NOTE - ALL DATA SHOWN IS FOR LEAD SHOT. DO NOT ATTEMPT TO LOAD WITH STEEL SHOT AS DANGEROUS LOADS MAY RESULT.

ABBREVIATIONS AND MANUFACTURERS' TRADEMARKS

FEDERAL

Shotgun Shells: Hi-Power*, Gold Medal*, Paper Champion*.

Abbreviations Used

	Trade Names
FC	Fiber Cushion Wad
SC	Shot Cup

*Registered trademarks of Federal Cartridge Co., Minneapolis, MN

REMINGTON*

Shotgun Shells: "Express," "RXP," "PREMIER."

*Registered trademarks of Remington Arms Co., Maddison, NC

WINCHESTER*

Shotgun Shells: Double A*, Super-X*, Upland*.

*Registered trademarks of Olin Corp., East Alton, IL

BALLISTIC PRODUCTS, INC.

20015 75 Ave. No.
Corcoran, MN 55340

Abbreviations Used

	Trade Names
BP	Ballistic Products
BPGS	Ballistic Products
	Gas Seal Wad
BPSB	Ballistic Products
	Shot Buffer Material

DANGER! Smokeless powder is an extremely flammable solid and can be dangerous if improperly handled. It should not be exposed to heat, sparks, or open flame. In accordance with good handloading practices, all reloading components including smokeless powder should be kept out of reach of children at all times.

REFERENCE TABLES POWDER TABLE

GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND	GRAINS PER LOAD	LOADS PER POUND
12	583	23	304	34	205
13	538	24	291	35	200
14	500	25	280	36	194
15	466	26	269	37	189
16	437	27	259	38	184
17	411	28	250	39	179
18	388	29	241	40	175
19	368	30	233	41	170
20	350	31	255	42	166
21	333	32	218	43	162
22	318	33	212		

CHILLED SHOT TABLE

Weight Ounces	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	2 1/8
Weight Grains	219	273	328	383	438	492	547	602	656	711	766	820	875	930
Loads per Lb.	32	26	21	18	16	14	13	12	11	10	9	9	8	8
Size	Dia. In.													
BB	.18	25	31	38	44	50	56	63	69	75	81	88	94	100
2	.15	44	55	66	77	88	99	110	121	132	143	154	165	176
4	.13	68	85	102	119	136	153	170	187	204	221	238	255	171
2	.12	86	108	129	151	172	194	215	137	258	280	301	323	344
6	.11	112	139	167	195	223	251	279	307	335	362	390	418	446
7	.10	150	187	224	262	299	336	374	411	449	486	523	561	598
7 1/2	.095	173	216	259	302	345	388	431	474	518	564	604	647	690
8	.085	240	300	360	420	480	540	600	660	20	780	840	900	960
9	.08	293	366	439	512	585	658	731	804	878	951	1024	1097	1170

RIFLE

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

KEY TO ABBREVIATIONS FOR RIFLE DATA

BP	Bronze Point	IMR	Improved Military Rifle	PTD	Pointed
BR	Bench Rest	M	Magnum	RN	Round Nose
BT	Boat Tail	PL	"Power-Lokt"	SP	Soft Point
C	Compressed Charge	PR	Primer	SPCL	Solf Point "Core-Lokt"
C.O.L.	Cartridge Overall Length	PSP	Pointed Soft Point		
HP	Hollow Point	PSPCL	Pointed Soft Point "Core-Lokt"		

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
---------------	--------------------	----------------------	-------------------------	---------------	--------------------	----------------------	-------------------------	---------------	--------------------	----------------------	-------------------------	---------------	--------------------	----------------------	-------------------------

.17 REMINGTON

REM. CASE; REM. 7 1/2 PR
REM. 25 GR. PL HP
.1722" DIA.; 24" BBL.; 2.100" C.O.L.
IMR 3031 22.5 4015 51700
IMR 4064 24.0C 4005 50700
IMR 4895 23.5 3995 51400
IMR 4350 24.5C 3470 39000
IMR 4831 25.0C 3330 33500

.22 HORNET

REM. CASE; REM. 6 1/2 PR
HORNADY 45 GR.

.224" DIA.; 25" BBL.; 1.720" C.O.L.
SR 4759 8.0C 2000 24700
IMR 4227 11.5C 2515 38900
IMR 4198 10.5C 2010 20100
IMR 3031 11.0C 1675 14100
IMR 4064 11.0C 1545 13100
IMR 4895 12.0C 1735 15500
IMR 4320 12.0C 1650 14900
IMR 4350 11.5C 1280 11700
IMR 4831 11.5C 1085 10700

.220 SWIFT

REM. CASE; REM. 9 1/2 PR
SIERRA 50 GR. SPITZER

.224" DIA.; 24" BBL.; 2.680" C.O.L.
SR 4759 25.5 3345 53000
IMR 4227 24.5 3295 52500
IMR 4198 32.0 3685 53000
IMR 3031 37.5 3845 51400
IMR 4064 39.5 3895 52500
IMR 4895 38.5 3805 52100
IMR 4320 40.0 3790 53000
IMR 4350 43.5C 3740 49100
IMR 4831 43.5C 3560 41700

.220 SWIFT

REM. CASE; REM. 9 1/2 PR
HORNADY 60 GR. SPIRE PT

.224" DIA.; 24" BBL.; 2.680" C.O.L.
SR 4759 23.5 2980 52500
IMR 4227 23.5 3000 53000
IMR 4198 28.5 3265 52200
IMR 3031 34.0 3470 52300
IMR 4064 35.5 3505 52300
IMR 4895 34.5 3470 53000
IMR 4320 36.5 3480 52800
IMR 4350 39.5 3500 53000
IMR 4831 42.5C 3555 53000

.222 REMINGTON

REM. CASE; REM. 7 1/2 PR

HORNADY 45 GR.

.224" DIA.; 25" BBL.; 2.130" C.O.L.
SR 4759 16.5 2925 44000
IMR 4227 17.5 3055 44000
IMR 4198 21.5 3315 45000
IMR 3031 24.0C 3065 33100
IMR 4064 24.0C 2910 31700
IMR 4895 25.5C 3165 39500
IMR 4320 26.0C 3115 39700
IMR 4350 25.0C 2545 24700
IMR 4831 25.0C 2375 22300

.222 REMINGTON

REM. CASE; REM. 7 1/2 PR

SIERRA 50 GR. SPITZER

.224" DIA.; 25" BBL.; 2.130" C.O.L.
SR 4759 16.5 2845 45000
IMR 4227 17.5 2965 45500
IMR 4198 20.5 3130 44500
IMR 3031 23.5C 3045 38400
IMR 4064 23.5C 2875 34200
IMR 4895 25.0C 3085 43100
IMR 4320 26.0C 3065 40800
IMR 4350 24.5C 2495 23400
IMR 4831 24.5C 2320 21500

.222 REMINGTON

REM. CASE; REM. 7 1/2 PR

REM. 55 GR. PTD. SP

.224" DIA.; 25" BBL.; 2.130" C.O.L.
SR 4759 15.5 2665 44200
IMR 4227 17.0 2835 45800
IMR 4198 20.0 2990 42600
IMR 3031 23.0C 2945 38300
IMR 4064 23.5C 2825 34100
IMR 4895 25.0C 3085 45900
IMR 4320 25.5C 2985 43500
IMR 4350 24.5C 2475 26800
IMR 4831 24.5C 2300 24100

.22-250 REMINGTON

REM. CASE; REM. 9 1/2 PR

SIERRA 50 GR. SPITZER

.224" DIA.; 24" BBL.; 2.350" C.O.L.
SR 4759 22.0 3100 53000
IMR 4227 21.5 3030 42300
IMR 4198 27.5 3375 52200
IMR 3031 34.0 3640 53000
IMR 4064 35.5 3625 52500
IMR 4895 35.5 3645 53000
IMR 4320 36.0 3540 51500
IMR 4350 39.5C 3495 47700
IMR 4831 39.5C 3320 42500

.22-250 REMINGTON

REM. CASE; REM. 9 1/2 PR

REM. 55 GR. PTD. SP

.224" DIA.; 24" BBL.; 2.350" C.O.L.
SR 4759 22.0 3100 53000
IMR 4227 21.5 3030 42300
IMR 4198 27.5 3375 52200
IMR 3031 34.0 3640 53000
IMR 4064 35.5 3625 52500
IMR 4895 35.5 3645 53000
IMR 4320 36.0 3540 51500
IMR 4350 39.5C 3495 47700
IMR 4831 39.5C 3320 42500

6 MM REMINGTON

REM. CASE; REM. 9 1/2 PR

REM. 80 GR. PTD. SP

.243" DIA.; 22" BBL.; 2.790" C.O.L.
SR 4759 24.5 2640 50600
IMR 4227 24.5 2650 50200
IMR 4198 31.5 3015 51500
IMR 3031 39.5 3275 52000
IMR 4064 41.0 3295 52000
IMR 4895 36.5 3105 51300
IMR 4320 40.0 3180 52000
IMR 4350 46.0 3310 52000
IMR 4831 48.0 3300 51900

6 MM REMINGTON

REM. CASE; REM. 9 1/2 PR

REM. 100 GR. PTD. SPCL

.243" DIA.; 22" BBL.; 2.735" C.O.L.
SR 4759 23.5 2400 51600
IMR 4227 23.5 2395 51500
IMR 4198 29.0 2660 52000
IMR 3031 36.5 2925 52000
IMR 4064 38.0 2945 51000
IMR 4895 35.5 2880 51600
IMR 4320 37.0 2875 51300
IMR 4350 43.5 3055 52000
IMR 4831 45.5 3095 52000
IMR 7828 48.0C 3040 48000

.25-06 REMINGTON

REM. CASE; REM. 9 1/2 PR

SIERRA 120 GR. HOLLOW PT. BT

.257" DIA.; 24" BBL.; 3.100" C.O.L.
SR 4759 27.5 2315 52000
IMR 4227 28.0 2370 53000
IMR 4198 34.0 2615 51400
IMR 3031 40.5 2800 52000
IMR 4064 43.5 2885 52300
IMR 4895 40.5 2805 52600
IMR 4320 43.0 2850 51700
IMR 4350 48.5 2950 51500
IMR 4831 50.0 2945 52000
IMR 7828 55.0 3105 52800

.223 REMINGTON

REM. CASE; REM. 7 1/2 PR

SIERRA 45 GR. SPITZER

.224" DIA.; 24" BBL.; 2.190" C.O.L.
SR 4759 17.5 3040 51000
IMR 4227 17.5 3085 51400
IMR 4198 22.0 3360 50300
IMR 3031 25.5C 3300 42200
IMR 4064 25.5C 3180 42500
IMR 4895 26.5C 3280 45900
IMR 4320 27.5C 3200 45100

.223 REMINGTON

REM. CASE; REM. 7 1/2 PR

SIERRA 50 GR. SPITZER

.224" DIA.; 24" BBL.; 2.260" C.O.L.
IMR 3031 25.5C 3225 45300
IMR 4064 25.5C 3150 44200
IMR 4895 26.5C 3270 48800
IMR 4320 27.5C 3200 48300

.224" DIA.; 24" BBL.; 2.260" C.O.L.
IMR 3031 25.0C 3165 50900
IMR 4064 25.5C 3090 49200
IMR 4895 26.0 3120 51100
IMR 4320 27.0C 3075 50300

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)												
.257 ROBERTS																											
REM. CASE; REM. 9 1/2 PR																											
SIERRA 100 GR. SPITZER																											
.257" DIA.; BBL.; 2.775" C.O.L.				.277" DIA.; 24" BBL.; 3.250" C.O.L.				.284" DIA.; 24" BBL.; 3.325" C.O.L.				.284" DIA.; 24" BBL.; 3.290" C.O.L.															
IMR 4227	23.5	2930	44000	SR 4759	26.0	2045	51600	SR 4759	29.5	2200	50000	SR 4759	27.5	2105	53500												
IMR 4064	39.5	2945	44800	IMR 3031	42.0	2690	51800	IMR 4227	27.5	2115	49500	IMR 4198	34.5	2375	52200												
IMR 4895	36.5	2850	45000	IMR 4064	47.0	2770	51800	IMR 3031	45.5	2745	48800	IMR 4064	47.0	2760	53700												
IMR 4350	44.5	2930	44600	IMR 4895	44.0	2715	52000	IMR 4064	48.0	2810	50000	IMR 4895	41.0	2584	53500												
IMR 4831	46.5	2950	44300	IMR 4320	44.5	2700	51000	IMR 4220	44.5	2635	49300	IMR 4320	43.5	2635	53900												
.257 ROBERTS																											
REM. CASE; REM. 9 1/2 PR																											
SIERRA 120 GR. HP BT																											
.257" DIA.; 24" BBL.; 2.775" C.O.L.				.277" DIA.; 24" BBL.; 3.250" C.O.L.				.284" DIA.; 24" BBL.; 3.325" C.O.L.				.284" DIA.; 24" BBL.; 3.290" C.O.L.															
IMR 4227	22.0	2180	44400	SR 4759	23.5	2055	46000	SR 4759	26.5	2270	51800	SR 4759	36.5	2695	51900												
IMR 4198	27.5	2440	45000	IMR 4227	22.5	2080	44300	IMR 4227	25.5	2285	51800	IMR 4198	37.0	2705	51300												
IMR 3031	33.0	2635	44200	IMR 4198	29.0	2365	45100	IMR 4198	32.0	2565	51500	IMR 3031	40.5	2830	51900												
IMR 4064	35.5	2695	44000	IMR 3031	38.0	2640	45500	IMR 4064	42.5	2835	51300	IMR 4064	55.5	3245	51200												
IMR 4895	33.5	2615	45000	IMR 4064	41.0	2675	44900	IMR 4895	40.5	2790	51000	IMR 4895	54.5	3215	52000												
IMR 4320	34.5	2615	44800	IMR 4895	36.5	2540	45300	IMR 4320	41.5	2800	50400	IMR 4320	55.5	3185	51400												
IMR 4350	41.5	2780	45000	IMR 4320	37.5	2540	46000	IMR 4350	46.0C	2750	44200	IMR 4350	65.0	3300	51400												
IMR 4831	44.0	2810	45000	IMR 4831	50.0C	2750	46000	IMR 4831	46.0C	2645	38800	IMR 4831	68.5	3335	51400												
6.5 x 55 SWEDISH																											
REM. CASE; REM. 9 1/2 PR																											
85 GR. SIERRA H.P.																											
.264" DIA.; 24" BBL.; 2.800" C.O.L.				.284" DIA.; 24" BBL.; 2.965" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.				.284" DIA.; 24" BBL.; 3.290" C.O.L.															
IMR 3031	43.5	3310	46000	SR 4759	23.0	1835	45100	SR 4759	24.5	2060	51800	SR 4759	34.0	2220	51200												
IMR 4064	47.0	3350	45000	IMR 4227	22.5	1840	44400	IMR 4227	24.0	2095	51900	IMR 4227	35.5	2240	51800												
IMR 4895	46.0	3335	45900	IMR 4198	29.0	2260	45800	IMR 4198	29.5	2330	50300	IMR 4198	41.5	2440	52000												
IMR 4320	45.5	3260	45100	IMR 3031	38.0	2530	46000	IMR 3031	38.0C	2585	51100	IMR 3031	47.5	2555	50700												
IMR 4350	51.0C	3230	43700	IMR 4064	40.0	2555	45300	IMR 4064	39.0C	2535	46500	IMR 4064	51.0	2645	51500												
6.5 x 55 SWEDISH																											
REM. CASE; REM. 9 1/2 PR																											
140 GR SIERRA SPITZER B.T., .264" DIA.; 24" BBL.; 3.000" C.O.L.																											
IMR 3031	34.5	2355	45800	IMR 4227	36.0	2365	45100	IMR 4227	40.0	2625	46000	IMR 4227	41.5	2595	52000												
IMR 4064	37.5	2465	45600	IMR 4350	47.0	2650	46000	IMR 4350	41.5C	2440	40800	IMR 4320	50.5	2665	52000												
IMR 4895	36.5	2430	45000	IMR 4831	48.0C	2625	46000	IMR 4831	41.5C	2355	35900	IMR 4350	59.5	2765	51800												
IMR 4320	37.5	2465	45500	7 x 57 MM MAUSER																							
IMR 4350	42.5	2525	45400	REM. CASE; REM. 9 1/2 PR																							
IMR 4831	43.5	2530	45800	SPEER 145 GR. SPITZER																							
IMR 7828	47.5	2600	45000	.284" DIA.; BBL.; 3.065" C.O.L.																							
.270 WINCHESTER																											
REM. CASE; REM. 9 1/2 PR																											
REM. 100 GR. PSP																											
.277" DIA.; 24" BBL.; 3.075" C.O.L.				.284" DIA.; 24" BBL.; 3.065" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.				.284" DIA.; 24" BBL.; 3.290" C.O.L.															
SR 4759	30.5	2720	41200	SR 4759	22.5	1855	45700	SR 4759	24.0	1995	50500	SR 4759	11.0C	1575	23700												
IMR 3031	48.5	3320	51300	IMR 4227	28.5	2135	44900	IMR 4227	23.5	2025	51400	IMR 4227	16.0C	2005	40000												
IMR 4064	52.0	3400	50900	IMR 4198	38.0	2430	45800	IMR 4198	29.5	2290	51100	IMR 4198	14.5C	1530	20700												
IMR 4895	49.0	3310	52000	IMR 4320	40.0	2480	46000	IMR 3031	37.0C	2515	50500																
IMR 4320	51.0	3340	51000	IMR 4895	35.0	2325	45800	IMR 4064	38.0C	2475	46000																
IMR 4350	57.5	3300	51500	IMR 4320	36.0	2295	45200	IMR 4895	38.0C	2535	51400																
IMR 4831	59.5C	3325	51300	IMR 4350	45.0	2510	45800	IMR 4320	40.0C	2590	51800																
IMR 7828	61.0C	3300	52000	IMR 4831	47.5C	2540	45600	IMR 4350	40.0C	2365	39800																
.270 WINCHESTER																											
REM. CASE; REM. 9 1/2 PR																											
NOSLER 130 GR. PARTITION																											
.277" DIA.; 24" BBL.; 3.250" C.O.L.				.283" DIA.; 24" BBL.; 3.250" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.				.284" DIA.; 24" BBL.; 2.800" C.O.L.															
SR 4759	27.5	2260	51300	SR 4759	30.0	2445	49700	SR 4759	30.0	2425	51900	SR 4759	23.5	2095	45500												
IMR 3031	45.5	2945	51700	IMR 4227	28.5	2375	48400	IMR 4227	30.0	2460	52300	IMR 4227	24.0	2105	44800												
IMR 4064	48.0	3030	51200	IMR 4198	36.0	2680	50000	IMR 4198	38.0	2775	52400	IMR 4198	30.0	2365	44100												
IMR 4895	46.0	2945	52000	IMR 4320	47.0	2975	48900	IMR 3031	48.0	3055	54000	IMR 3031	38.5	2575	44500												
IMR 4320	45.5	2880	51400	IMR 4350	56.5	3055	48600	IMR 4064	50.0	3085	54000	IMR 4064	40.0	2565	45400												
IMR 4350	55.0	3075	51100	IMR 4831	60.0C	3115	50000	IMR 4895	45.0	2905	52800	IMR 4895	40.0	2470	45900												
IMR 4831	56.5	3080	51200	.280 REMINGTON																							
IMR 7828	60.0C	3140	52000	REM. CASE; REM. 9 1/2 PR																							
SPEER 130 GR. SPITZER																											
.280 REMINGTON																											
REM. CASE; REM. 9 1/2 PR																											
REM. 150 GR. PTD. SPCL																											
.284 WINCHESTER																											
WIN. CASE; WIN. 8 1/2-120 PR																											
SPEER 130 GR. SPITZER																											
.30 M1 CARBINE																											
REM. CASE; REM. 6 1/2 PR																											
HORNADY 100 GR. SHORT JACKET																											

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
.300 SAVAGE				.30-06				.300 H & H MAG.				8 x 57 MM MAUSER			
REM. CASE; REM. 9 1/2 PR SPEER 180 GR. RN				REM. CASE; REM. 9 1/2 PR HORNADY 110 GR. SPIRE PT.				REM. CASE; REM. 9 1/2 M PR REM. 180 GR. PTD. SPCL				WIN. CASE; WIN 8 1/2-120 PR HORNADY 170 GR. RN			
.308" DIA.; 24" BBL.; 2.600" C.O.L. SR 4759 22.5 1910 45500				.308" DIA.; 23" BBL.; 3.130" C.O.L. SR 4759 35.0 2820 49700				.308" DIA.; 24" BBL.; 3.520" C.O.L. SR 4759 38.0 2330 54000				.323" DIA.; 25" BBL.; 2.840" C.O.L. SR 4759 20.5 1855 37000			
IMR 4227 23.0 1965 44800				IMR 4227 32.0 2730 49400				IMR 4227 36.0 2300 54000				IMR 4227 21.5 1860 36600			
IMR 4198 29.5 2190 45200				IMR 4198 39.5 2980 49400				IMR 4198 43.0 2515 53000				IMR 4198 27.54 2075 37000			
IMR 3031 37.0 2390 45900				IMR 3031 56.0 3365 49300				IMR 3031 57.0 2815 53400				IMR 3031 32.5 2105 36100			
IMR 4064 38.5 2395 45900				IMR 4064 58.0C 3320 49400				IMR 4064 60.0 2875 53400				IMR 4064 35.0 2175 36900			
IMR 4895 38.5 2390 45700				IMR 4895 54.5 3265 49300				IMR 4895 54.5 2760 53800				IMR 4895 33.5 2145 37000			
IMR 4320 40.0 2390 46000				IMR 4320 57.5 3255 49100				IMR 4320 57.5 2795 53800				IMR 4320 34.5 2105 36200			
IMR 4350 44.0C 2350 41900				IMR 4350 59.0C 2960 36900				IMR 4350 69.0 2990 54000				IMR 4350 42.0 2180 37000			
IMR 4831 44.0C 2240 39300				IMR 4831 59.0C 2780 32500				IMR 4831 73.0C 3035 53500				IMR 4831 46.0 2255 37000			
.308 WINCHESTER				.30-06				.300 H & H MAG.				.338 WINCHESTER MAG.			
REM. CASE; REM. 9 1/2 PR HORNADY 110 GR. SPIRE PT.				REM. CASE; REM. 9 1/2 PR REM. 150 GR. PTD. SPCL				REM. CASE; REM. 9 1/2 M PR REM. 220 GR. SPCL				WIN. CASE; WIN 8 1/2-120 PR WIN. 200 GR. POWDER PT. SP			
.308" DIA.; 23" BBL.; 2.600" C.O.L. SR 4759 31.0 2710 51600				.308" DIA.; 23" BBL.; 3.200" C.O.L. SR 4759 31.0 2365 49700				.308" DIA.; 24" BBL.; 3.575" C.O.L. SR 4759 36.5 2030 54000				.338" DIA.; 25" BBL.; 3.330" C.O.L. SR 4759 39.5 2335 54000			
IMR 4227 32.0 2835 51900				IMR 4227 30.0 2310 50000				IMR 4227 35.5 2015 53600				IMR 4227 38.0 2300 53500			
IMR 4198 38.5 3015 51100				IMR 4198 38.0 2600 50000				IMR 4198 42.0 2240 52600				IMR 4198 47.5 2565 53500			
IMR 3031 45.0C 2990 42200				IMR 3031 49.5 2850 49800				IMR 3031 52.5 2485 53300				IMR 3031 61.0 2860 54000			
IMR 4064 47.0C 2955 43300				IMR 4064 52.0 2885 50000				IMR 4064 56.5 2565 53300				IMR 4064 64.0 2920 54000			
IMR 4895 49.0C 3130 49200				IMR 4895 49.5 2845 50000				IMR 4895 51.5 2465 53300				IMR 4895 61.0 2880 53700			
IMR 4320 49.0C 3010 49200				IMR 4320 51.0 2825 50000				IMR 4320 54.0 2495 53000				IMR 4320 63.0 2875 54000			
IMR 4350 47.0C 2500 32000				IMR 4350 59.0C 2825 47800				IMR 4350 65.0 2695 54000				IMR 4350 73.0 3030 53900			
IMR 4831 47.0C 2330 29200				IMR 4831 59.0C 2715 42900				IMR 4831 67.0 2710 54000				IMR 4831 76.0C 3020 51000			
.308 WINCHESTER				.30-06				.300 H & H MAG.				.338 WINCHESTER MAG.			
REM. CASE; REM. 9 1/2 PR REM. 180 GR. PTD. SPCL				REM. CASE; REM. 9 1/2 PR SIERRA 200 GR. MATCH KING HP				REM. CASE; REM. 9 1/2 M PR REM. 150 GR. PTD. SPCL				WIN. CASE; WIN 8 1/2-120 PR NOSLER 250 GR. SPITZER			
.308" DIA.; 23" BBL.; 2.725" C.O.L. SR 4759 26.5 2085 51200				.308" DIA.; 23" BBL.; 3.340" C.O.L. SR 4759 28.5 2000 49800				.308" DIA.; 24" BBL.; 3.340" C.O.L. SR 4759 41.5 2660 53400				.338" DIA.; 24" BBL.; 3.340" C.O.L. IMR 7828 74.0C 2565 44400			
IMR 4227 27.0 2110 52000				IMR 4227 28.5 2045 50000				IMR 4227 39.5 2590 52400				IMR 4227 38.0 2300 53500			
IMR 4198 33.5 2350 51600				IMR 4198 36.0 2285 48400				IMR 4198 49.0 2900 53600				IMR 4198 47.5 2565 53500			
IMR 3031 41.5C 2550 51700				IMR 3031 44.5 2450 49700				IMR 4064 65.5 3240 53700				IMR 4064 64.0 2920 54000			
IMR 4064 43.5C 2580 51700				IMR 4895 43.0 2445 49700				IMR 4895 64.0 3240 53000				IMR 4895 61.0 2880 53700			
IMR 4895 42.5C 2540 50900				IMR 4320 46.0 2445 48800				IMR 4350 76.0 3335 53900				IMR 4320 63.0 2875 54000			
IMR 4320 44.5C 2550 52000				IMR 7828 55.0C 2385 44100				IMR 4831 80.0 3365 54000				IMR 4350 71.0C 2430 43400			
IMR 4350 46.0C 2365 38900															
IMR 4831 46.0C 2225 36900															
.30-40 Krag				.30-06				.300 WINCHESTER MAG.				.338 WINCHESTER MAG.			
WIN. CASE; WIN. 8 1/2-120 PR SPEER 150 GR. SPITZER				REM. CASE; REM. 9 1/2 PR HORNADY 220 GR. RN				REM. CASE; REM. 9 1/2 M PR REM. 150 GR. PTD. SPCL				WIN. CASE; WIN 8 1/2-120 PR NOSLER 250 GR. SPITZER			
.308" DIA.; 25.5" BBL.; 3.00" C.O.L. SR 4759 24.5 2080 37300				.308" DIA.; 23" BBL.; 3.185" C.O.L. SR 4759 27.0 1835 50000				.308" DIA.; 24" BBL.; 3.340" C.O.L. SR 4759 41.5 2660 53400				.338" DIA.; 24" BBL.; 3.340" C.O.L. IMR 7828 74.0C 2565 44400			
IMR 4227 23.5 2090 37700				IMR 4227 27.0 1850 50000				IMR 4227 39.5 2590 52400				IMR 4227 38.0 2300 53500			
IMR 4198 30.0 2355 38100				IMR 4198 33.0 2055 48800				IMR 4198 49.0 2900 53600				IMR 4198 47.5 2565 53500			
IMR 3031 42.0 2695 39500				IMR 3031 42.5 2300 49000				IMR 4064 65.5 3240 53700				IMR 4064 64.0 2920 54000			
IMR 4064 44.0 2695 39000				IMR 4064 46.0 2370 50000				IMR 4895 64.0 3240 53000				IMR 4895 61.0 2880 53700			
IMR 4895 36.0 2435 39700				IMR 4895 40.5 2230 50000				IMR 4350 76.0 3335 53900				IMR 4350 71.0C 2430 43400			
IMR 4320 37.0 2420 39700				IMR 4320 44.0 2295 49500				IMR 4831 80.0 3365 54000				IMR 4831 68.5C 2480 54000			
IMR 4350 48.5C 2615 36300				IMR 4350 53.5C 2470 50000											
IMR 4831 48.5C 2430 29800				IMR 7828 55.0C 2285 41900											
.30-40 Krag				.300 H & H MAG.				7.62 MM X 39				.338 WINCHESTER MAG.			
WIN. CASE; WIN. 8 1/2-120 PR REM. 180 GR. SPCL				REM. CASE; REM. 9 1/2 PR REM. 150 GR. PTD. SPCL				IMI CASE; CCI 200 PR SPEER 125 GR. SP. 311 DIA. 20" BBL.; 2.180" C.O.L.				WIN. CASE; WIN 8 1/2-120 PR NOSLER 250 GR. SPITZER			
.308" DIA.; 25.5" BBL.; 3.00" C.O.L. SR 4759 24.0 1940 39100				.308" DIA.; 24" BBL.; 3.550" C.O.L. SR 4759 40.0 2455 53600				IMR 4227 18.5 1995 44100				.338" DIA.; 25" BBL.; 3.330" C.O.L. SR 4759 34.5 1795 54000			
IMR 4227 23.0 1900 37800				IMR 4227 37.0 2515 54000				IMR 4198 24.0 2250 42500				IMR 4227 34.0 1800 53600			
IMR 4198 29.5 2150 39800				IMR 4198 44.0 2715 53500				IMR 4198 28.5 2225 37000				IMR 4198 42.5 2050 53500			
IMR 3031 38.0 2375 39300				IMR 3031 60.0 3100 51000				IMR 3031 34.5 2335 37000				IMR 3031 53.5 2260 53800			
IMR 4064 41.0 2435 39000				IMR 4064 64.0 3170 53800				IMR 4064 36.0 2305 37000				IMR 4064 56.0 2305 53800			
IMR 4895 35.5 2270 38800				IMR 4895 55.0 2960 54000				IMR 4895 36.0 2310 37000				IMR 4895 52.5 2265 54000			
IMR 4320 35.5 2210 38100				IMR 4320 58.0 2970 53700				IMR 4320 36.0 2270 36900				IMR 4320 54.5 2275 53700			
IMR 4350 46.0C 2445 38700				IMR 4350 73.0 3215 53600				IMR 4350 43.0 2315 36800				IMR 4350 64.5 2410 53800			
IMR 4831 49.0C 2425 3590				IMR 4831 75.5C 3200 53100				IMR 4831 47.0 2325 36800				IMR 4831 68.5C 2480 54000			
8 x 57 MM MAUSER				7.62 MM X 39				8 X 57 MM MAUSER				.357 MAGNUM (RIFLE)			
WIN. CASE; WIN. 8 1/2-120 PR HORNADY 125 GR. HP				REM. CASE; REM. 9 1/2 PR SPEER 150 GR. SPITZER				WIN. CASE; WIN 8 1/2-120 PR HORNADY 125 GR. HP				REM. CASE; REM. 5 1/2 PR HORNADY 125 GR. HP			
.323" DIA.; 25" BBL.; 2.840" C.O.L. SR 4759 20.5 1855 37000				.323" DIA.; 25" BBL.; 2.945" C.O.L. SR 4759 21.5 1960 37000				.323" DIA.; 25" BBL.; 2.945" C.O.L. SR 4759 22.5 2015 36700				.357" DIA.; 18.5" BBL.; 1.590" C.O.L. "Hi-Skor"			
IMR 4227 21.5 1860 36600				IMR 4227 36.0 2300 54000				IMR 4227 28.5 2240 52600				700-X 6.7 1455 35700			
IMR 4198 27.54 2075 37000				IMR 4198 43.0 2515 53000				IMR 4198 34.5 2335 37000				PB 7.2 1435 34600			
IMR 3031 32.5 2105 36100				IMR 3031 57.0 2815 53400				IMR 3031 34.5 2335							

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
---------------	--------------------	----------------------	-------------------------	---------------	--------------------	----------------------	-------------------------	---------------	--------------------	----------------------	-------------------------

.357 MAGNUM (RIFLE)

REM. CASE; REM. 5 1/2 PR
HORNADY 158 GR. HP
.357" DIA.; 18.5" BBL.; 1.590" C.O.L.
"Hi-Skor"
700-X 5.7 1185 35200
PB 6.0 1160 35600
SR 7625 6.5 1215 36000
SR 4756 8.0 1340 36000
IMR 4227 16.3C 1605 34900

.35 REMINGTON

REM. CASE; REM. 9 1/2 PR
REM. 150 GR. PTD. SPCL
.358" DIA.; 23" BBL.; 2.500" C.O.L.
SR 4759 23.0 1985 35000
IMR 4227 22.0 1935 33600
IMR 4198 29.0 2190 35000
IMR 3031 42.0C 2390 34200
IMR 4064 43.0C 2390 34200
IMR 4895 43.0C 2340 34600
IMR 4320 42.5 2295 34700
IMR 4350 43.5C 1985 24100
IMR 4831 43.5C 1850 21300

.35 REMINGTON

REM. CASE; REM. 9 1/2 PR
HORNADY 200 GR. RN
.358" DIA.; 23" BBL.; 2.500" C.O.L.
SR 4759 20.5 1770 35000
IMR 4227 21.0 1760 35000
IMR 4198 27.0 1915 33500
IMR 3031 37.5 2110 34700
IMR 4064 39.5C 2080 34200
IMR 4895 36.5 2030 3490
IMR 4320 38.5 2020 35000
IMR 4350 43.0C 1915 29200
IMR 4831 43.0C 1780 25900

.358 WINCHESTER

WIN. CASE; WIN. 8 1/2-120 PR
WEST. 200 GR. SILVER TIP
.358" DIA.; 25" BBL.; 2.765" C.O.L.
SR 4759 29.5 2170 52000
IMR 4227 28.5 2130 50800
IMR 4198 40.0 2495 52000
IMR 3031 49.0C 2630 51800
IMR 4064 49.0C 2525 46200
IMR 4895 49.0C 2565 50800
IMR 4320 51.0C 3656 62800
IMR 4350 51.0C 2270 37600
IMR 4831 51.0C 2115 32300

.358 WINCHESTER

WIN. CASE; WIN. 8 1/2-120 PR
WEST. 250 GR. SILVER TIP
.358" DIA.; 25" BBL.; 2.780" C.O.L.
SR 4759 26.0 1845 51400
IMR 4227 26.5 1860 52000
IMR 4198 32.5 2045 51700
IMR 3031 42.0 2260 50800
IMR 4064 44.0C 2270 52000
IMR 4895 43.0 2235 51200
IMR 4320 44.5 2210 51400
IMR 4350 47.0C 2115 41700
IMR 4831 47.0C 1975 37100

.375 H & H MAG.

WIN. CASE; WIN. 8 1/2-120 PR
REM. 270 GR. SP
.375" DIA.; 25" BBL.; 3.600" C.O.L.
SR 4759 41.5 2085 53000
IMR 4227 39.5 2070 53000
IMR 4198 49.0 2300 53000
IMR 3031 65.5 2610 53000
IMR 4064 69.0 2655 52500
IMR 4895 65.0 2565 53000
IMR 4320 66.5 2545 52000
IMR 4350 78.5C 2710 53000
IMR 4831 82.5C 2690 50700

.375 H & H MAG.

WIN. CASE; WIN. 8 1/2-120 PR
WIN. 300 GR. SILVER TIP
.375" DIA.; 25" BBL.; 3.600" C.O.L.
SR 4759 39.0 1925 53000
IMR 4227 3805 1935 52600
IMR 4198 47.0 2145 53000
IMR 3031 63.0 2465 52500
IMR 4064 67.0 2525 52500
IMR 4895 61.0 2400 52800
IMR 4320 63.0 2405 53000
IMR 4350 78.0C 2620 52700
IMR 4831 80.0C 2560 48300

.416 REMINGTON MAGNUM

REM. CASE; REM. 9 1/2 M PR
SWIFT 350 GR SSSP,
.416" DIA.; 24" BBL.; 3.545" C.O.L.
IMR 3031 76.5 2450 53000
IMR 4064 81.0 2485 51600
IMR 4895 77.0 2425 53700

.416 REMINGTON MAGNUM

REM. CASE; REM. 9 1/2 M PR
HORNADY 400 GR. FMJ,
.416" DIA.; 24" BBL.; 3.555" C.O.L.
IMR 3031 75.0 2315 52100
IMR 4064 78.0 2335 52000
IMR 4895 76.5 2325 53800

.44 REMINGTON MAG.

REM. CASE; REM. 2 1/2 PR
REM. 240 GR. SP
.430" DIA.; 22" BBL.; 1.610" C.O.L.
SR 4759 21.0C 1630 38500
IMR 4227 23.5C 1680 39500
IMR 4198 25.5C 1515 26400
IMR 3031 27.0C 1190 18900
IMR 4064 27.5C 1145 16600
IMR 4895 28.0C 1225 18300
IMR 4320 28.5C 1200 20900
IMR 4350 27.0C 850 13900
IMR 4831 27.0C 720 12500

.444 MARLIN

REM. CASE; REM. 9 1/2 PR
REM. 240 GR. SP
.430" DIA.; 25" BBL.; 2.570" C.O.L.
SR 4759 33.0 2055 43600
IMR 4227 32.5 2030 44000
IMR 4198 47.0 2335 44000
IMR 3031 54.5C 2175 35900
IMR 4064 54.5C 2055 32200
IMR 4895 56.0C 2200 38600
IMR 4320 56.0C 2125 37500
IMR 4350 55.5C 1775 24200

.45-70 GOVT.

WIN. CASE; WIN. 8 1/2-120 PR
WIN. 405 GR. SP
.457" DIA.; 25" BBL.; 2.550" C.O.L.
SR 4759 29.0 1500 26900
IMR 4227 30.0 1465 26500
IMR 4198 38.0 1620 27400
IMR 3031 51.45 1795 27000
IMR 4064 55.0C 1780 26700
IMR 4895 52.5 1785 26900
IMR 4320 53.5 1720 27300
IMR 4350 56.0C 1555 20000
IMR 4831 56.0C 1390 17800

*Note - These loads must not be used in any trapdoor single shot rifle.

.458 WINCHESTER MAG.

WIN. CASE; WIN. 8 1/2-120 PR
WIN. 510 GR. SP
.457" DIA.; 25" BBL.; 3.340" C.O.L.
SR 4759 44.5 1645 52400
IMR 4227 45.0 1665 52700
IMR 4198 58.0 1925 52500
IMR 3031 69.0C 2030 43900
IMR 4064 71.0C 2020 41300
IMR 4895 72.5 2100 53000
IMR 4320 74.0C 2070 51500
IMR 4350 72.0C 1810 30300
IMR 4831 72.0C 1680 24900

IMR 7828

WEATHERBY CARTRIDGES RELOADING DATA

CALIBER	PRIMER	BULLET	CARTRIDGE OVERALL LENGTH (IN.)	IMR POWDER	POWDER CHARGE GRAINS	VELOCITY FT/SEC	CHAMBER PRESSURE (CUP)
.240 Weatherby Magnum	Fed. 210	Nosler 100 gr. Spitzer	3.063	IMR-7828	53.5C	3240	52000
7mm Weatherby Magnum	Fed. 215	Hornady 139 gr. Flat Spire Point	3.068	IMR-7828	76.0C	3335	51500
		Nosler 140 gr. Spitzer	3.250	IMR-7828	76.5C	3390	53300
		Hornady 154 gr. Spire Point	3.337	IMR-7828	74.5	3250	53400
		Nosler 160 gr. Spitzer	3.337	IMR-7828	73.5	3210	53500
		Hornady 175 gr. Spire Point	3.360	IMR-7828	70.5	2975	53000
.300 Weatherby Magnum	Fed. 215	Nosler 150 gr. Spitzer	3.560	IMR-7828	89.0C	3425	49900
		Nosler 180 gr. Spitzer	3.560	IMR-7828	86.0C	3240	52500
		Nosler 200 gr. Spitzer	3.560	IMR-7828	83.0C	3065	50600
.340 Weatherby Magnum	Fed. 215	Nosler 210 gr. Spitzer	3.608	IMR-7828	90.5C	3070	51600
		Hornady 225 gr. Spire Point	3.645	IMR-7828	89.0C	2965	51000
		Hornady 250 gr. Round Nose	3.658	IMR-7828	87.5C	2860	53100

Notes:

- Brass—Weatherby Factory Shells
- C = Compressed Load
- Barrel Length—26 inch
- All Nosler bullets used were partition type
- Recommended using only primer shown for each load

RIFLE DATA SHOWING CHAMBER PRESSURE IN PSI

IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER (grains)	CHARGE (ft/sec)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)
---------------------------	--------------------	----------------------	-------------------------	---------------------------	--------------------	----------------------	-------------------------	---------------------------	--------------------	----------------------	-------------------------

243 WINCHESTER

WIN. CASE; FED. 210 PR
NOSLER 55 GR. BALLISTIC TIP
.243" DIA.; .24" BBL.; 2.580" C.O.L.
IMR 4064 44.0 3900 56000

243 WINCHESTER

WIN. CASE; FED. 210 PR
BARNES 85 GR. XBTLC
.243" DIA.; .24" BBL.; 2.670" C.O.L.
IMR 4895 38.0 3100 55600
IMR 4320 38.5 3100 57000
IMR 4350 45.0 3170 55000
IMR 4831 46.0 3170 54000

243 WINCHESTER

WIN. CASE; FED. 210 PR
HORNADY 100 GR. SP
.243" DIA.; .24" BBL.; 2.670" C.O.L.
IMR 4895 34.0 2790 56000
IMR 4350 38.2 2850 56000
IMR 4831 39.5 2880 57000

25-06 REMINGTON

REM. CASE; FED. 210 PR
BARNES 115 GR. X
.257" DIA.; .24" BBL.; 3.175" C.O.L.
IMR 4350 45.3 2860 60000
IMR 4831 46.2 2830 60000
IMR 7828 51.5 2900 57000

25-06 REMINGTON

REM. CASE; FED. 210 PR
NOSLER 115 GR. BALLISTIC TIP
.257" DIA.; .24" BBL.; 3.175" C.O.L.
IMR 4350 48.7 3000 59000
IMR 4831 50.7 3030 60000
IMR 7828 55.5 3040 57000

260 REMINGTON

REM. CASE; WIN. WLR PR
SIERRA 100 GR. HOLLOW PT.
.264" DIA.; .24" BBL.; 2.700" C.O.L.
IMR 3031 35.5 2995 57100
IMR 4064 39.5 3095 57000
IMR 4895 38.0 3045 57300
IMR 4320 39.0 3040 57300
IMR 4350 45.0 3120 57500
IMR 4831 46.5 3130 58300
IMR 7828 49.0C 3025 53300

260 REMINGTON

REM. CASE; WIN. WLR PR
SIERRA 120 GR. SPITZER
.264" DIA.; .24" BBL.; 2.780" C.O.L.
SR 4759 17.0 1755 37500
SR 4759 23.5 2280 57600
IMR 3031 34.0 2720 57600
IMR 4064 37.0 2805 57700
IMR 4895 36.0 2770 57100
IMR 4320 37.5 2805 58400
IMR 4350 43.0 2885 58000
IMR 4831 44.0 2885 58400
IMR 7828 47.0C 2895 57800

260 REMINGTON

REM. CASE; WIN. WLR PR
HORNADY 129 GR. SPIRE PT.
.264" DIA.; .24" BBL.; 2.780" C.O.L.
IMR 3031 33.0 2590 56800
IMR 4064 36.5 2690 58300
IMR 4895 36.5 2725 58100
IMR 4320 36.5 2685 58600
IMR 4350 41.5 2765 57300
IMR 4831 43.0 2785 58300
IMR 7828 45.0 2775 57200

260 REMINGTON

REM. CASE; WIN. WLR PR
REM. 140 GR. PSPCL
.264" DIA.; .24" BBL.; 2.780" C.O.L.
SR 4759 18.0 1735 39800
SR 4759 23.0 2135 56500
IMR 3031 32.5 2505 56200
IMR 4064 36.0 2615 56900
IMR 4895 35.5 2605 57600
IMR 4320 36.0 2600 57600
IMR 4350 43.0 2715 57000
IMR 4831 44.0 2715 57000
IMR 7828 47.0C 2755 57200

260 REMINGTON

REM. CASE; WIN. WLR PR
HORNADY 160 GR. RN
.264" DIA.; .24" BBL.; 2.800" C.O.L.
IMR 4350 40.5 2520 57400
IMR 4831 41.5 2520 57200
IMR 7828 45.0 2580 58100

270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M
NOSLER 130 GR. BALLISTIC TIP
.277" DIA.; .24" BBL.; 2.800" C.O.L.
IMR 4350 62.5 3244 63100
IMR 4831 63.8 3234 62900
IMR 7828 68.0 3244 61500

270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M
SWIFT 140 GR. A-FRAME
.277" DIA.; .24" BBL.; 2.800" C.O.L.
IMR 4350 58.3 3074 62700
IMR 4831 60.3 3096 62900
IMR 7828 65.2 3135 62000

270 WIN SHORT MAG

WIN. CASE; REM. 9 1/2 M
NOSLER 150 GR. BALLISTIC TIP
.277" DIA.; .24" BBL.; 2.800" C.O.L.
IMR 4350 60.0 3016 62600
IMR 4831 61.6 3021 62900
IMR 7828 66.5C 3059 60800

270 WINCHESTER

REM. CASE; FED. 210 PR
SIERRA 140 GR. HPBT
.277" DIA.; .24" BBL.; 3.252" C.O.L.
IMR 4831 55.0 2980 62000
IMR 7828 56.5 2860 55000

7MM REM SAUM

REM. CASE; REM. 9 1/2 M
NOSLER 140 GR. PARTITION
.284" DIA.; .24" BBL.; 2.815" C.O.L.
IMR 4350 61.2 3174 62000
IMR 4831 62.3 3173 62700
IMR 7828 65.0C 3104 58600

7MM REM SAUM

REM. CASE; REM. 9 1/2 M
BARNES 140 GR. XBT
.284" DIA.; .24" BBL.; 2.815" C.O.L.
IMR 4350 59.2 3115 63100
IMR 4831 60.6 3099 62300
IMR 7828 63.5C 3035 58700

7MM REM SAUM

REM. CASE; REM. 9 1/2 M
SWIFT 150 GR. SCIROCCO
.284" DIA.; .24" BBL.; 2.815" C.O.L.
IMR 4350 57.8 3023 63000
IMR 4831 59.3 3022 63200
IMR 7828 63.5C 3028 61700

7MM REM SAUM

REM. CASE; REM. 9 1/2 M
HORNADY 154 GR. SP
.284" DIA.; .24" BBL.; 2.815" C.O.L.
IMR 4350 57.3 2964 62400
IMR 4831 58.7 2963 62200
IMR 7828 63.4 3016 63400

7MM REM SAUM

REM. CASE; REM. 9 1/2 M
NOSLER 160 GR. PARTITION
.284" DIA.; .24" BBL.; 2.815" C.O.L.
IMR 4350 56.9 2929 63000
IMR 4831 58.6 2928 62400
IMR 7828 63.3 2996 63600

RIFLE

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (psi)
7MM WIN SHORT MAG															
WIN. CASE; REM. 9 1/2 M				7 MM SHOOTING TIMES				7MM REM ULTRA MAG				30-06 SPRG			
BARNES 140 GR. XBT				WESTERNER				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 2.830" C.O.L.				REM. CASE; FED. 215 PR				HORNADY 175 GR. SP				SIERRA 165 GR. HPBT			
IMR 4350 63.2 3155 63200				BARNES 120 GR. XFB				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 3.215" C.O.L.			
IMR 4831 64.3 3130 63000				.284" DIA.; 24" BBL.; 3.580" C.O.L.				IMR 4064 47.5 2740 57000				IMR 4064 47.5 2740 57000			
IMR 7828 68.0c 3104 59600				IMR 4350 73.0 3460 63000				IMR 4895 46.0 2700 57000				IMR 4350 54.0 2760 55000			
7MM WIN SHORT MAG															
WIN. CASE; REM. 9 1/2 M				7 MM SHOOTING TIMES				30-30 WINCHESTER				30-06 SPRG			
NOSLER 150 GR. BALLISTIC TIP				WESTERNER				REM. CASE; REM. 9' PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 2.830" C.O.L.				REM. CASE; FED. 215 PR				SIERRA 150 GR. FN				SWIFT 165 GR. A-FRAME			
IMR 4350 62.0 3072 62800				NOSLER 140 GR. BALLISTIC TIP				.308" DIA.; 24" BBL.; 2.550" C.O.L.				.308" DIA.; 24" BBL.; 3.205" C.O.L.			
IMR 4831 63.5 3068 63000				.284" DIA.; 24" BBL.; 3.580" C.O.L.				IMR 4198 24.6 2190 40000				IMR 4895 48.5 2710 56000			
IMR 7828 68.0c 3089 61900				IMR 4350 71.5 3285 62700				IMR 3031 31.1 2300 39000				IMR 4350 56.0 2790 55000			
7MM WIN SHORT MAG															
WIN. CASE; REM. 9 1/2 M				7 MM SHOOTING TIMES				30-30 WINCHESTER				30-06 SPRG			
NOSLER 160 GR. PARTITION				WESTERNER				REM. CASE; REM. 9' PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 2.830" C.O.L.				REM. CASE; FED. 215 PR				HORNADY 170 GR. FP				SWIFT 180 GR. SCIROCCO			
IMR 4350 58.3 2925 62800				NOSLER 150 GR. BALLISTIC TIP				.308" DIA.; 24" BBL.; 2.545" C.O.L.				.308" DIA.; 24" BBL.; 3.340" C.O.L.			
IMR 4831 59.3 2922 62700				.284" DIA.; 24" BBL.; 3.580" C.O.L.				IMR 4198 23.6 2020 40000				IMR 4064 44.7 2460 55000			
IMR 7828 65.5 3004 62900				IMR 4350 67.5 3110 62300				IMR 3031 29.7 2110 39000				IMR 4350 53.0 2590 57000			
7MM WIN SHORT MAG															
WIN. CASE; REM. 9 1/2 M				7 MM SHOOTING TIMES				308 WINCHESTER				30-06 SPRG			
HORNADY 175 GR. SP				WESTERNER				REM. CASE; FED. 210 PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 2.830" C.O.L.				REM. CASE; FED. 215 PR				NOSLER 180 GR. PARTITION				NOSLER 180 GR. PARTITION			
IMR 4350 56.5 2760 62800				SWIFT 160 GR. A-FRAME				.308" DIA.; 24" BBL.; 3.290" C.O.L.				.308" DIA.; 24" BBL.; 3.290" C.O.L.			
IMR 4831 57.0 2753 63400				.284" DIA.; 24" BBL.; 3.600" C.O.L.				IMR 4064 45.5 2530 56000				IMR 4064 45.5 2530 56000			
IMR 7828 62.1 2811 62600				IMR 4350 66.5 3040 56000				IMR 4350 53.5 2630 56000				IMR 4350 53.5 2630 56000			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				308 WINCHESTER				30-06 SPRG			
BARNES 140 GR. XBTLC				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 3.270" C.O.L.				NOSLER 140 GR. PARTITION				BARNES 165 GR. X				SIERRA 180 GR. SPITZER BT			
IMR 4350 65.3 3060 58000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.800" C.O.L.				.308" DIA.; 24" BBL.; 3.325" C.O.L.			
IMR 4831 66.5 3040 56000				IMR 4350 66.5 2995 62000				IMR 4064 42.5 2840 58000				IMR 4064 46.0 2600 55000			
IMR 7828 72.3c 3100 58000				IMR 4831 68.5 3010 62400				IMR 4895 45.5 2880 59000				IMR 4350 54.3 2630 56000			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				308 WINCHESTER				30-06 SPRG			
NOSLER 150 GR. BALLISTIC TIP				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; FED. 210 PR			
.284" DIA.; 24" BBL.; 3.290" C.O.L.				BARNES 140 GR. XBT				BARNES 165 GR. X				SIERRA 180 GR. SPITZER BT			
IMR 4350 60.6 2940 56000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.800" C.O.L.				.308" DIA.; 24" BBL.; 3.325" C.O.L.			
IMR 4831 63.2 2960 57000				IMR 4350 69.3 3220 62000				IMR 4064 42.5 2600 58000				IMR 4064 46.0 2600 55000			
IMR 7828 68.2 3000 57000				IMR 7828 86.8 3290 62000				IMR 4895 43.7 2650 59000				IMR 4350 54.3 2670 55000			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				308 WINCHESTER				300 REM SAUM			
SWIFT 150 GR. SCIROCCO				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; REM. 9 1/2 M			
.284" DIA.; 24" BBL.; 3.270" C.O.L.				BARNES 140 GR. XBT				BARNES 165 GR. X				NOSLER 150 GR. BALLISTIC TIP			
IMR 4350 58.8 2930 56000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.755" C.O.L.				.308" DIA.; 24" BBL.; 2.815" C.O.L.			
IMR 4831 62.0 2940 57000				IMR 4350 79.3 3220 62000				IMR 4064 42.5 2600 58000				IMR 3031 53.5 3085 62400			
IMR 7828 67.1 2980 56000				IMR 7828 86.8 3290 62000				IMR 4895 43.7 2650 59000				IMR 4064 57.5 3148 62100			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				308 WINCHESTER				300 REM SAUM			
NOSLER 160 GR. PARTITION				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; REM. 9 1/2 M			
.284" DIA.; 24" BBL.; 3.290" C.O.L.				BARNES 140 GR. XBT				BARNES 165 GR. X				NOSLER 165 GR. BALLISTIC TIP			
IMR 4350 58.7 2880 57000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.755" C.O.L.				.308" DIA.; 24" BBL.; 2.815" C.O.L.			
IMR 4831 60.2 2860 56000				IMR 4350 81.2 3230 62000				IMR 4064 42.5 2640 57000				IMR 4064 58.1 3138 62500			
IMR 7828 66.0 2940 57000				IMR 7828 88.6 3300 61000				IMR 4895 43.3 2680 59000				IMR 4350 65.5c 3131 60500			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				30-06 SPRG				300 REM SAUM			
SWIFT 160 GR. A-FRAME				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; REM. 9 1/2 M			
.284" DIA.; 24" BBL.; 3.250" C.O.L.				NOSLER 140 GR. PARTITION				BARNES 165 GR. HPBT				NOSLER 165 GR. BALLISTIC TIP			
IMR 7828 66.5 2940 59000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.755" C.O.L.				.308" DIA.; 24" BBL.; 2.815" C.O.L.			
				IMR 4350 76.8 3150 61000				IMR 4064 42.5 2750 57000				IMR 4064 56.6 2989 63100			
				IMR 7828 84.5 3140 62000				IMR 4895 47.0 2710 57000				IMR 4350 64.0c 3029 62600			
7MM REMINGTON MAG															
REM. CASE; FED. 215 PR				7 MM REM ULTRA MAG				30-06 SPRG				300 REM SAUM			
SWIFT 160 GR. A-FRAME				REM. CASE; FED. 215 PR				REM. CASE; FED. 210 PR				REM. CASE; REM. 9 1/2 M			
.284" DIA.; 24" BBL.; 3.250" C.O.L.				NOSLER 140 GR. PARTITION				BARNES 165 GR. HPBT				NOSLER 165 GR. BALLISTIC TIP			
IMR 7828 66.5 2940 59000				.284" DIA.; 24" BBL.; 3.600" C.O.L.				.308" DIA.; 24" BBL.; 2.755" C.O.L.				.308" DIA.; 24" BBL.; 2.815" C.O.L.			
				IMR 4350 76.8 3150 61000				IMR 4064 42.5 2750 57000				IMR 4064 56.6 2989 63100			
				IMR 7828 84.5 3140 62000				IMR 4895 47.0 2710 57000				IMR 4350 64.0c 3029 62600			

RIFLE

HANDGUN

IMPORTANT: Recommended uses of IMR powder relate only to the appropriate IMR powder and not to those available from other firms. Although the four digit numerical designations of other manufacturers' products may be identical to those preceded by the IMR prefix, the powders are different. To avoid potential confusion, gun damage and personal injury, therefore, handloaders should be careful to note the prefix of recommended powder designations.

Great care must be taken to insure that the correct ammunition is used in your gun.

KEY TO ABBREVIATIONS FOR HANDGUN DATA

BB	Bevel Base	GC	Gas Check	PSP	Pointed Soft Point
BRPR	Bench Rest Primer	HC	Hollow Cavity	RN	Round Nose
BT	Boat Tail	HP	Hollow Point	SJ	Semi-Jacketed
C	Compressed Charge	J	Jacketed	SP	Soft Point
C.O.L.	Cartridge Overall Length	M	Magnum	SWC	Semi-Wadcutter
FMJ	Full Metal Jacket	MC	Metal Case	WC	Wadcutter
FP	Flat Point	PR	Primer		

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)

.22 REMINGTON JET CF MAG.

REM. CASE; REM. 6 1/2 PR
REM. 40 GR. (J)
.22" DIA.; 10.0" BBL.; 1.645" C.O.L.
"Hi-Skor"
700-X 4.7 1755 32000
PB 5.1 1690 32200
SR 7625 5.3 1745 31200
SR 4756 6.7 1925 31200
IMR 4227 13.5 2290 32900

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR
REM. 45 GR. PSP; .224" DIA.;
10.75" PISTOL BBL.; 1.800" C.O.L.
"Hi-Skor"
700-X 6.5 1950 51800
PB 7.58 1990 50600
SR 7625 7.8 2010 51700
SR 4756 8.3 2105 52000
"Hi-Skor"
800-X 9.4 2370 51600
SR 4759 13.2C 2235 36200
IMR 4227 14.9 2535 50000
IMR 4198 17.7C 2575 44500
IMR 3031 17.8C 2015 26800
IMR 4064 18.0C 1905 24700
IMR 4895 18.6C 2055 28600

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR
REM. 50 GR. PSP; .224" DIA.;
10.75" PISTOL BBL.; 1.825" C.O.L.
"Hi-Skor"
700-X 6.0 1775 51700
PB 7.1 1835 51800
SR 7625 7.1 1850 52000
SR 4756 7.7 1925 51200
"Hi-Skor"
800-X 9.1 2265 51700
SR 4759 12.7C 2105 38000
IMR 4227 14.7 2390 51400
IMR 4198 16.7C 2380 44000
IMR 3031 17.3C 1960 28200
IMR 4064 17.5C 1835 27500
IMR 4895 18.1C 1995 29900

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR
REM. 55 GR. PSP; .224" DIA.;
10.75" PISTOL BBL.; 1.825" C.O.L.
"Hi-Skor"
700-X 5.8 1655 51300
PB 6.6 1700 51800
SR 7625 6.6 1710 51500
SR 4756 7.2 1790 51600
"Hi-Skor"
800-X 8.9 2135 50700
SR 4759 12.2C 2000 37700
IMR 4227 14.4 2315 51700
IMR 4198 16.4C 2315 51700
IMR 3031 16.8C 1900 28000
IMR 4064 17.0C 1740 26300
IMR 4895 17.5C 1950 28700

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR
HORNADY 60 GR. HP; .224" DIA.;
10.75" PISTOL BBL.; 1.825" C.O.L.
"Hi-Skor"
700-X 5.9 1635 50800
PB 6.7 1685 51200
SR 7625 6.7 1675 51900
SR 4756 7.3 1745 50900
"Hi-Skor"
800-X 8.6 2025 52000
SR 4759 11.7C 1915 38000
IMR 4227 15.1 2315 51800
IMR 4198 15.7C 5124 37100
IMR 3031 16.1C 1770 23600
IMR 4064 16.3C 1710 22800
IMR 4895 16.8C 1845 28400

.221 REMINGTON FIREBALL

REM. CASE; REM. 7 1/2 BR PR
SPEER 70 GR. SEMI SPITZER;
.224" DIA.; 10.75" PISTOL BBL.;
1.740" C.O.L.
"Hi-Skor"
700-X 5.6 1455 50700
PB 6.2 1490 51300
SR 7625 6.3 1510 51500
SR 4756 7.0 1580 51100
"Hi-Skor"
800-X 7.9 1790 52000
SR 4759 10.8C 1790 52000
IMR 4227 12.5 2015 51500
IMR 4198 14.7C 2045 43200
IMR 3031 14.7C 1685 25900
IMR 4064 15.0C 1575 24200
IMR 4895 15.5C 1725 29100

.357 MAGNUM

REM. CASE; REM. 5 1/2 DIA.;
HORNADY 110 GR. JHP; .357" DIA.;
6.0" REVOLVER BBL.; 1.590" C.O.L.
"Hi-Skor"
700-X 6.6 1165 35600
PB 7.6 1195 36000
SR 7625 7.9 1230 35600
SR 4756 9.5 1330 35800
"Hi-Skor"
800-X 10.9 1475 33600
IMR 4227 21.0C 1510 35600

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR
REM. 125 GR. SJHP; .357" DIA.;
6.0" REVOLVER BBL.; 1.580" C.O.L.
"Hi-Skor"
700-X 6.2 1075 36000
PB 6.8 1060 35800
SR 7625 7.4 1100 35800
SR 4756 8.6 1180 35800
"Hi-Skor"
800-X 10.2 1360 35300
IMR 4227 18.5C 1325 34500

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR
SPEER 140 GR. JHP; .357" DIA.;
6.0" REVOLVER BBL.; 1.590" C.O.L.
"Hi-Skor"
700-X 6.0 960 35700
PB 6.4 910 36000
SR 7625 7.0 955 36000
SR 4756 8.2 1025 35500
"Hi-Skor"
800-X 9.7 1230 35200
IMR 4227 17.2 1210 35700

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR
SPEER 148 GR. LEAD WC; .358" DIA.;
6.0" REVOLVER BBL.; 1.420" C.O.L.
"Hi-Skor"
700-X 3.0 720 13100
"Hi-Skor"
700-X 5.1 980 34800
PB 3.3 720 12300
PB 5.7 1010 35400
"Hi-Skor"
800-X 4.5 710 13500
"Hi-Skor"
800-X 8.3 1215 35500
SR 7625 6.0 1030 35600
SR 4756 8.5 1215 35600
IMR 4227 15.0C 1185 32700

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR
REM. 158 GR. LEAD SWC; .358" DIAL;
6.0" REVOLVER BBL.; 1.580" C.O.L.
"Hi-Skor"

700-X 5.5 980 35600
PB 5.9 985 35700
SR 7625 6.5 1020 35800
SR 4756 7.7 1110 35800

.357 MAGNUM

REM. CASE; REM. 5 1/2 PR
REM. 158 GR. SJHP; .357" DIA.;
6.0" REVOLVER BBL.; 1.580" C.O.L.
"Hi-Skor"
700-X 5.2 885 35800
PB 5.7 875 36000
IMR 7625 6.2 855 35700
SR 4756 7.5 940 35700
"Hi-Skor"
800-X 8.6 1080 35400

.38 SPECIAL

REM. CASE; REM. 1 1/2 PR
REM. 95 GR. SJHP; .357" DIA.;
6.0" REVOLVER BBL.; 1.470" C.O.L.
"Hi-Skor"
700-X 4.6 1025 15600
PB 5.1 1055 15600
SR 7625 5.6 1065 15700
SR 4756 6.5 1080 15900
"Hi-Skor"
800-X 7.8 1195 15700

.38 SPECIAL

REM. CASE; REM. 1 1/2 PR
HORNADY 110 GR. HP; .357" DIA.;
6.0" REVOLVER BBL.; 1.460" C.O.L.
"Hi-Skor"
700-X 4.2 970 15400
PB 4.8 990 15200
SR 7625 5.5 1060 15400
SR 4756 6.2 1040 15600

HANDGUN

HANDGUN

IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)	IMR POWDER	CHARGE (grains)	VELOCITY (ft/sec)	CHAMBER PRESS. (cup)
38 SPECIAL (COWBOY ACTION)				44 REM MAG (COWBOY ACTION)				45 COLT (COWBOY ACTION)				45 COLT (COWBOY ACTION)			
REM. CASE; REM. 1 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2			
HORNADY 140 GR. FPCOWBOY; .127" DIA.; 8" PISTOL BBL.; 1.510" C.O.L.				D & J 200 GR. LRN FP; .430" DIA.; 8.25" PISTOL BBL.; 1.565" C.O.L.				D & J 200 GR. LRN FP; .452" DIA.; 7.5" PISTOL BBL.; 1.585" C.O.L.				D & J 250 GR. LRN FP; .452" DIA.; 7.5" PISTOL BBL.; 1.580" C.O.L.			
"Hi-Skor" 700-X 3.0 789 11700				"Hi-Skor" 700-X 4.3 818 11700				"Hi-Skor" 700-X 5.0 780 7200				"Hi-Skor" 700-X 5.2 772 11900			
"Hi-Skor" 800-X 4.0 778 10300				"Hi-Skor" 800-X 5.9 813 10500				"Hi-Skor" 800-X 7.3 800 6600				"Hi-Skor" 800-X 7.0 773 10500			
				PB 5.1 781 10700				PB 6.3 766 7000				PB 6.3 767 10800			
				SR-7625 5.9 812 11100				SR-7625 7.3 795 8300				SR-7625 7.0 769 10300			
				SR-4756 7.0 797 10700				SR-4756 8.5 768 6700				SR-4756 8.2 756 10200			
38 SPECIAL (COWBOY ACTION)															
REM. CASE; REM. 1 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2				REM. CASE; REM. 2 1/2			
REM 158 GR. SWC; .127" DIA.; 8" PISTOL BBL.; 1.510" C.O.L.				D & J 200 GR. LRN FP; .430" DIA.; 8.25" PISTOL BBL.; 1.565" C.O.L.				D & J 200 GR. LRN FP; .452" DIA.; 7.5" PISTOL BBL.; 1.585" C.O.L.				D & J 250 GR. LRN FP; .452" DIA.; 7.5" PISTOL BBL.; 1.580" C.O.L.			
"Hi-Skor" 700-X 3.0 770 12400				"Hi-Skor" 800-X 3.8 764 11400				"Hi-Skor" 800-X 3.8 764 11400				"Hi-Skor" 800-X 3.8 764 11400			

THOMPSON/CENTER CONTENDER RELOADING DATA (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

KEY TO ABBREVIATIONS FOR T/C CONTENDER DATA

BR	Bench Rest	FMJ	Full Metal Jacket	PSP	Pointed Soft Point
BR PR	Bench Rest Primer	FP	Flat Point	SPCL	Soft Point "Cole-Lokt"
BT	Boat Tail	HP	Hollow Point	T/C	Thompson Center
C	Compressed Charge	J	Jacketed		
C.O.L.	Cartridge Overall Length				

BULLET WT.	BULLET DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.222 REMINGTON—REM. CASE, REM. 7 1/2 BR PR							
45 GR.	.224"	IMR 4227	17.1	2500	-	45200	2.130"
		SIERRA SPITZER	21.1	2640	-	45800	
		IMR 4895	24.2C	2380	-	37400	
50 GR.	.224"	IMR 4227	16.1	2365	-	45800	2.130"
		REMINGTON PSP	20.0	2510	-	45600	
		IMR 4895	24.2C	2365	-	39300	
52 GR.	.224"	IMR 4227	15.8	2300	-	45600	2.190"
		SIERRA HPBT BR	19.8	2455	-	45800	
		IMR 4895	23..8C	2325	-	40500	
55 GR.	.224"	IMR 4198	19.0	2375	-	45200	2.085"
		SPEER FMJ	21.5C	2225	-	37800	
		IMR 4895	23.0C	2275	-	41200	
60 GR.	.224"	IMR 4227	14.7	2105	-	45000	2.245"
		HORNADY HP	19.1	2330	-	45800	
		IMR 4895	23.0C	2235	-	42400	
70 GR.	.224"	IMR 4198	17.9	2145	-	45700	2.060"
		SPEER	20.5C	2000	-	34900	
		SEMI-SPITZER	21.5C	2050	-	37900	

THOMPSON/CENTER CONTENDER RELOADING DATA (ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.25/.35 WINCHESTER—REM. CASE, FED. 210 BR PR							
60 GR.	.257"	IMR 3031	28.3	2325	-	36900	2.390"
SPEER SPIRE POINT		IMR 4064	30.5C	2285	-	36000	
87 GR.	.257"	IMR 3031	23.4	1965	-	36800	2.690"
HORNADY SPIRE POINT		IMR 4064	25.7	1960	-	36500	
100 GR.	.257"	IMR 3031	22.1	1845	-	36500	2.700"
SPEER SPITZER		IMR 4064	25.2	1875	-	37000	
		IMR 4350	31.0C	1900	-	36400	
117 GR.	.257"	IMR 3031	21.5	1760	-	36700	2.700"
SIERRA		IMR 4895	22.2	1750	-	37000	
SPITZER BT		IMR 4350	28.3C	1760	-	35900	
.30 HERRETT—REM. (FORMED BY T/C), CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 4227	18.8	1910	2035	44600	2.020"
HORNADY FMJ		IMR 4198	24.3	2075	2210	44600	
		IMR 3031	28.0C	1940	2070	36000	
130 GR.	.308"	IMR 4227	18.0	1775	1885	44800	2.175"
HORNADY		IMR 4198	22.5	1895	2015	44400	
SPIRE POINT		IMR 3031	26.0C	1765	1875	36300	
150 GR.	.308"	IMR 4198	21.3	1760	1870	44200	2.300"
SIERRA SPITZER		IMR 3031	25.2C	1680	1785	36700	
		IMR 4895	27.0C	1735	1845	40700	
170 GR.	.308"	IMR 4198	19.2	1575	1670	44600	2.165"
REMINGTON SPCL		IMR 3031	24.5C	1590	1690	37800	
		IMR 4895	26.0C	1625	1725	41200	
.30/.30 WINCHESTER—REM. CASE, FED. 210 BR PR							
110 GR.	.308"	IMR 3031	36.0C	2110		34000	2.450"
HORNADY FMJ		IMR 4895	34.6	2080	2235	37800	
		IMR 4064	36.5C	2020	2170	33200	
130 GR.	.308"	IMR 3031	36.0C	2025	2175	37000	2.725"
HORNADY SPIRE POINT		IMR 4064	36.5C	1965	2110	36500	
150 GR.	.308"	IMR 3031	33.0	1895	2035	37500	2.855"
SIERRA SPITZER		IMR 4064	34.4	1855	1995	37400	
170 GR.	.308"	IMR 3031	27.4	1660	1780	37600	2.700"
REMINGTON SPECIAL		IMR 4064	32.8	1750	1875	37900	2.700"

Velocity and pressure readings represent average values obtained under controlled conditions. The values shown may vary substantially with the components and the reloading techniques employed. We suggest the charge weights shown be reduced initially by 10% to compensate for possible variations from the published data. The loads may then be increased as pressure indications permit.

THOMPSON/CENTER CONTENDER RELOADING DATA

(ALL DATA DEVELOPED IN T/C CONTENDER COMMERCIAL BARRELS)

BULLET WT.	DIA.	IMR POWDER	CHARGE (GRAINS)	VELOCITY (FT/SEC) 10" BARREL	VELOCITY (FT/SEC) 14" BARREL	CHAMBER PRESSURE (CUP)	CARTRIDGE OVERALL LENGTH (IN.)
.357 HERRETT—WIN. (FORMED BY T/C) CASE, FED. 210 BR PR							
110 GR.	.357"	SR 4759	24.5C	1950	2070	35600	2.080"
HORNADY JHP		IMR 4227	23.8	2095	2225	44500	
		IMR 4198	32.0C	2070	2200	33900	
125 GR.	.357"	SR 4759	24.0C	1880	1990	38400	2.080"
HORNADY JHP		IMR 4227	22.3	1995	2070	44900	
		IMR 4198	31.0C	2015	2135	38100	
158 GR.	.357"	SR 4759	23.0C	1705	1810	42000	2.150"
HORNADY JFP		IMR 4227	20.2	1710	1815	44900	
		IMR 4198	29.9C	1925	2045	44900	
170 GR.	.357"	SR 4759	23.0C	1655	1750	41400	2.230"
SIERRA FMJ		IMR 4227	20.1	1640	1735	45000	
SILHOUETTE		IMR 4198	30.0C	1835	1940	44600	
200 GR.	.358"	SR 4759	23.0C	1575	1675	44100	2.540"
HORNADY		IMR 4198	28.2	1715	1820	45000	
SPIRE POINT		IMR 3031	31.0C	1540	1635	32400	
		IMR 4895	34.0C	1605	1705	38300	
.35 REMINGTON—REM. CASE, FED. 210 BR PR							
158 GR.	.357"	IMR 3031	38.4C	-	2030	34500	2.300"
HORNADY JFP		IMR 3895	37.8	-	1975	34700	
		IMR 4064	39.5C	-	1925	32600	
170 GR.	.357"	IMR 3031	38.5C	-	1985	33700	2.405"
SIERRA FMJ		IMR 4895	37.8	-	1920	34100	
SILHOUETTE		IMR 4064	38.1	-	1850	35000	
250 GR.	.358"	IMR 3031	31.0	-	1620	35000	2.800"
SPEER SPITZER		IMR 4064	33.0	-	1610	34800	

IMR HANDLOADING POWDER SELECTION GUIDE

The following table lists the IMR Handloading Powders and the general area of use for each powder. Whenever a specific powder appears in more than one section of this Guide (for example, shotshell and handgun), the same powder can be used for all recommended loads shown with this powder. Powders can be used in case bullet rifle loads as specified in reliable published loading data.

POWDER DESIGNATION	SHOTSHELL (GAUGE)						HANDGUN	RIFLE	CONTAINER NET WEIGHT LBS.		
	10	12	16	20	28	410			CANISTER	CADDY	KEG
"HI-SKOR" 700-X	X	X	X	X			X		1/2	5	12
"HI-SKOR" 800-X	X	X	X	X	X		X		1/2	5	12
PB	X	X	X	X	X		X		1/2	5	12
SR 7625	X	X	X	X	X		X		1/2	5	12
SR 4756	X	X	X	X	X		X		1/2	5	12
SR 4759						X	X	1/2	5	12	
IMR 4227				X		X	X	1	8	20	
IMR 4198				X		X	X	1	8	20	
IMR 3031					X		X	1	8	20	
IMR 4064					X		X	1	8	20	
IMR 4895					X		X	1	8	20	
IMR 4320						X	X	1	8	20	
IMR 4350						X	X	1	8	20	
IMR 4831							X	1	8	20	
IMR 7828							X	1	8	20	

IMR

SMOKELESS POWDER DISTRIBUTORS

Camfour, Inc.
Westfield Industrial Park
Westfield, MA 01085-1693
Phone: (413) 568-3371
Fax: (413) 568-9663
Email: sales@camfour.com
Website: <http://www.camfour.com>

W. A. Murphy, Inc.
P.O. Box 4607
El Monte, CA 91734-0607
Phone: (626) 444-9271
Fax: (626) 575-2848
Website: www.murphypowder.com
E-mail: reloadit@murphypowder.com

Dole Explosives Inc.
Box 71
Rosemount, MN 55068
Phone: (651) 423-1141
Fax: (651) 322-6168
Email: dolepowder@aol.com

Western Powders, Inc.
P.O. Box 158
Miles City, MT 59301
Phone: (406) 232-0422
Fax: (406) 232-0430
Website: www.westernpowder.com

Hall Explosives, Inc.
RR 1, Box 148B
Hershey, PA 17033
Phone: (717) 533-6565
Fax: (717) 533-6716
Terryreigle@aol.com

(CANADA)
Hummason Mfg. Ltd.
P.O. Box 81047
623 Trinity Road
Ancaster, Ont. L9G 4X1
Phone: (905) 648-3430
Fax: (905) 648-4616

The information presented in this booklet is based upon results obtained in our ballistics laboratory, and is offered without charge as an aid to handloaders, to be employed at their own discretion and risk. Safe loading practices should be observed at all times. Since we have no control over the circumstances of loading, we assume no liability for the results obtained, and we guarantee only that powder meets our manufacturing standards.

IMR POWDER COMPANY
PLATTSBURGH, NY 12901

Website: www.imrpowder.com

TOLL FREE 1-877-IMRDATA

05/03

