

2021

UPLAND GAME BIRD

MONTANA FWP | Hunting Regulations



Ruffed Grouse *Bonasa umbellus* | Photo by Donald M. Jones

TURN IN POACHERS: CALL 1-800-TIP-MONT

fwp.mt.gov

Highlights/ Reminders

- Turkey regulations are only in the “Spring & Fall Turkey Regulations.”

Regulations Adopted by Fish & Wildlife Commission

Regulations for season dates, structures, and restrictions were adopted by the F&W Commission on February 13, 2020, under the authority granted in MCA 87-1-301 and are valid March 1, 2021, through February 28, 2022. The F&W Commission reserves the authority to amend the seasons, limits and regulations herein if deemed necessary for wildlife management purposes. Statutes and other information, including other agencies’ restrictions, are provided as a courtesy and do not fall under Commission authority. *Henry “Hank” Warsech*, Director. Discrimination Prohibited – State and Federal laws, Title VI of Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, the Age Discrimination Act of 1975, and Title IX of the Education Amendments of 1972, prohibit discrimination on the basis of race, color, sex, age, religion, national origin, or disability. Anyone believing he or she has been discriminated against (as described above) in any FWP program, activity, or facility may write to FWP Human Resources, 1420 East Sixth Avenue, PO Box 200701, Helena, MT 59620-0701 or the office of Equal Opportunity, U.S. Department of the Interior, Washington, D.C. 20240. Any changes made to this printed publication can be found on the FWP website or by inquiring at any local FWP office.

License Chart		
License	Cost/Stipulation(s)	
	Resident	Nonresident
Base Hunting License	\$10	\$15
	Required prerequisite for hunting or applying for a permit or license.	
Conservation	\$4 Ages 12-17, 62+ \$8 Ages 18-61 years	\$10
	Required prerequisite	
Upland Game Bird	\$7.50 Ages 18 - 61	\$110 Ages 18 and over
	\$3.75 Ages 12-17*, Senior (62+) or Disabled	\$55 Ages 12-17*
Turkey	\$6.50 Residents must have an Upland Game Bird License to purchase a Turkey License.	\$57.50 with an Upland Game Bird License, OR \$115 without an Upland Game Bird License.
3-day Upland Game Bird License	-	\$50: 3-day license for nonresidents. The license is not valid for sage grouse at any time or for ring-neck pheasants during the opening week of the season.
3-day Shooting Preserve License	-	\$20: Alternative to an Upland Game Bird License for nonresidents who wish to hunt only on Shooting Preserves (Private).
Resident Flathead Reservation Use Permit	A valid “Resident of the Flathead Reservation Use Permit” with a valid Flathead Reservation Bird Stamp will be honored by the state wherever hunting for upland or migratory game birds is lawful in Montana. Check with Flathead Reservation at 406-675-2700 ext 7200 for details.	
* Some 10 and 11 year olds are also eligible. See Youth Hunting Opportunities for license requirements.		

Obtain A License Or Permit (MCA 87-2-184; 87-2-704)

Licenses are available at all Fish, Wildlife & Parks offices, license providers throughout the state and online at fwp.mt.gov. The license is valid March 1 through February 28 of the following year.

Residency (MCA 87-6-302)

- It is unlawful to swear to or to affirm a false statement in order to obtain an original or replacement resident hunting and/or fishing license OR to assist an unqualified applicant in obtaining a resident license.

Resident (MCA 87-2-102)

- To be a lawful Montana resident and eligible to purchase any Montana resident fishing, hunting, and trapping licenses, you must:
 - have been physically living in Montana for at least 180 consecutive days immediately prior to purchasing a resident license;
 - register your vehicle(s) in Montana;
 - be registered to vote in Montana if you’re registered to vote at all;
 - not possess (or have applied for any) current resident hunting, fishing, or trapping privileges in another state or country;
 - file Montana state income tax returns as a resident, if you are required to file.
 - Once you have established your residency, you must continue to meet all these requirements and physically reside in

Montana as your principal or primary place of abode for not less than 120 days per year (days need not be consecutive).

- A person is NOT considered a resident for the purposes of this section if the person:

- > claims residence in any other state or country for any purpose; or
- > is an absentee property owner paying property tax on property in Montana.

- To purchase an annual resident Conservation License you will be required to show a valid Montana Driver’s License (MDL), a valid Montana Identification Card (MIC), or a valid Tribal Identification Card (TIC).

- If your MDL or MIC was issued less than six months ago, you may be required to show additional proof of residency. An out-of-state driver’s license is NOT an acceptable form of ID for resident license purchases. Contact your local FWP office for specifics.

Hunter Education Requirements (MCA 87-2-105)

If you were born after January 1, 1985, you are required to show proof of completing a Montana hunter safety and education course or an approved hunter safety course from any other state or province prior to applying for or purchasing a hunting license, whether the hunting license is for the rifle or archery season.

Licensing Youth Hunting Opportunities

A resident or nonresident **youth 12 years of age or older** may hunt any game species for which their license is valid. Those who will reach 12 years of age by January 16, 2022, may hunt any game

species, for which their license is valid, after August 15 of the 2021 license year. Proof of hunter education must be presented at the time of purchase.

An **Apprentice Hunter** is a resident or nonresident at least 10 years of age, certified at an FWP office. This allows the apprentice to hunt some species, while accompanied by a mentor, without first completing a hunter education course. The Apprentice Hunter may not purchase a mountain lion, black bear or wolf license or apply for a bighorn sheep license or a hunting license or permit with a limited quota. The Apprentice Hunter may not purchase an elk license if he/she is under 15 years of age. Other restrictions apply. See our website for details: fwp.mt.gov/hunt/education/apprentice-hunter

In order to carry or use a firearm for any reason, a youth under 14 years of age must be accompanied by a person having charge or custody of the youth, or be under the supervision of a qualified firearms safety instructor or an adult 18 years of age or older who has been authorized by the youth's parent or guardian, MCA 45-8-344.

Laws & Rules

- Statute denoted by MCA.
- Commission Rule denoted by CR.

Aerial Spotting (MCA 87-6-208)

- It is unlawful for a person to shoot a game bird from an aircraft.
- It is unlawful for a person to use an aircraft for the purpose of concentrating, pursuing, driving, rallying, or stirring up any game bird.

Artificial Light (MCA 87-6-401) - It is unlawful for anyone to take or attempt to take any game bird with the aid of projected artificial light. Use of rifle scopes that project an artificial light to illuminate the target or project infrared light visible only with specialized optics to illuminate the target are unlawful for the taking of game birds.

Baiting (CR)

- It is unlawful for anyone to hunt or attempt to hunt by the aid of or with the use of any bait, salt lick, trap, snare or set gun.
- Baiting means the placing, exposing, depositing, distributing, or scattering of food sources or salt so as to constitute a lure or attraction.

Check Stations (MCA 87-6-218) - All hunters are required by law to stop as directed at all designated check stations on their way to and from hunting areas, even if they have no game to be checked.

Hunter Orange - Shooting another hunter while swinging the gun on an upland bird is the leading cause of hunting-related accidents in Montana. Although not required, it is strongly recommended that all bird hunters wear at least a hunter orange hat or cap to reduce the chance of an accident.

Hunting Hours (CR) - Authorized hunting hours for the taking of upland game birds begin one-half hour before sunrise and end one-half hour after sunset each day of the hunting season. See official sunrise-sunset tables in these regulations.

Inspection of Wildlife (MCA 87-1-502) - Wildlife taken must be shown to FWP Enforcement for inspection when requested

Landowner Permission (MCA 87-6-415) - A person may not hunt or attempt to hunt furbearers, game animals, migratory game birds, nongame wildlife, predatory animals, upland game birds, or wolves while hunting on private property without first obtaining permission of the landowner, the lessee, or their agents. Regardless of whether the land is posted or not, hunters must have permission from the land owner, lessee, or their agent before hunting on private property.

For the purposes of this section, the term "hunt" has the same meaning as provided in 87-6-101 and includes entering private land to: (a) retrieve wildlife; or (b) access public land to hunt.

License and Permit Possession/Use (MCA 87-6-304)

- It is unlawful to:
- Hunt or attempt to hunt for any game bird unless the person is carrying the required license or permit at the time.

- Refuse to produce a license or permit and the identification used in purchasing a license or permit for inspection to a game warden.
- Alter or change a license in any material manner.
- Loan or transfer any license to another person.
- Use a license issued to another person.
- Attach the person's license to a game bird killed by another person.
- Have physical control over a valid and unused hunting license or permit issued to another person while in any location that the species to be hunted may inhabit. This prohibition does not apply to a person who is carrying or has physical control over a license or permit issued to that person's spouse or to any minor when the spouse or minor is hunting with that person.

Littering (MCA 75-10-212) - A holder of a Montana resident or nonresident hunting license or camping permit convicted of littering campgrounds, public or private lands, streams, or lakes, while hunting, fishing, or camping shall forfeit any current Montana hunting, fishing, or trapping license and the privilege to hunt, fish, camp, or trap in Montana for a period of one year.

Means of Take (CR) - Upland Game Birds may only be taken by hunting (firearms, archery or falconry). See individual species regulations for species specific restrictions.

Motorized Vehicles (MCA 87-6-405)

It is unlawful for anyone to:

- hunt or attempt to hunt any game animal or game bird from any self propelled (motorized) or drawn vehicle. To be lawful, a hunter must have two feet on the ground and his/her body outside of the vehicle. Holders of the Permit To Hunt From A Vehicle are the exception to this.
- use a motor-driven vehicle off road on state land.
- use a motor-driven vehicle on a road or trail on state land if that road or trail is posted as closed by the land management agency. This restriction applies only to state land and not to federal land For more information related to state school trust lands, see page 29.
- use a motor-driven vehicle other than on a road or trail designated for travel by a landowner unless permission has been given by that landowner.

Off Road- Federal lands (CR)

- operate, on federal public lands, a motorized wheeled vehicle off legal routes (including game retrieval). All Federally approved travel plans on public lands in Montana have been adopted by the F&W Commission. Contact the appropriate land management agencies for travel plan information.

Boats (MCA 87-6-207)

- use a powerboat, sailboat, or any boat under sail or any floating device towed by a powerboat, sailboat, or any boat under sail motorboat or a sailboat as defined in 23-2-502 for the purpose of killing, capturing, taking, pursuing, concentrating, driving, or stirring up any upland game bird, migratory bird, game animal, or fur-bearing animal until the motor is shut off or the sails are furled and the progress of the vessel has ceased.

Nontoxic Shot - Hunters are reminded that nontoxic shot is required for the hunting of upland game birds on federal refuges or waterfowl production areas. Only federally-approved nontoxic shot may be used on these areas. Specific questions regarding this regulation should be made through local offices of the U.S. Fish & Wildlife Service.

Outfitters and Guides (MCA 37-47-301)

- A person may not act as an outfitter or guide or advertise or otherwise represent to the public that the person is an outfitter or guide without first securing a license.
- It is unlawful to engage in outfitting/guiding while not licensed.
- It is unlawful to hire an outfitter or guide not licensed by the Department of Labor and Industry. For information, call 406-841-2300.

Possession Limit while in the Field (CR) - No person shall possess more than one daily bag limit while in the field, or while returning from the field to one's vehicle, hunting camp, home, etc.

Possession Limit (CR) - The number of birds that may be possessed at any time in any form: fresh, stored in freezers or lockers, salted, smoked, dried, canned, or preserved.

Public Roadways (MCA 87-6-403) - It is unlawful for anyone to hunt or attempt to hunt any game bird: on, from, or across any public highway or the shoulder, berm, barrow pit or right-of-way of any public highway (the entire width between the boundary lines of every publicly maintained way when any part thereof is open to the use of the public for purposes of vehicular travel).

Recorded Animal Sounds (MCA 87-6-401) - It is unlawful to use any recorded or electrically amplified bird or animal calls or sounds or imitations of bird or animal calls or sounds to assist in the hunting, taking, killing or capturing of any wildlife except predatory animals, wolves, and those birds not protected by state or federal law.

Shooting Preserves (Private) (MCA 87-4-504) - To hunt upland game birds on a private shooting preserve, resident hunters must possess a valid upland game bird license and nonresident hunters must possess either a valid upland game bird license or a 3-day shooting preserve license.

Transporting Pheasants (CR) - It is unlawful to possess or transport within the state any pheasant unless one leg and foot are left naturally attached for evidence of sex. The leg and foot shall remain attached at all times while being transported from the place where taken until it has arrived at the permanent residence of the possessor.

Transporting Upland Game Birds (CR)

- No person shall transport within the state any sage grouse, sharp-tailed grouse, mountain grouse or partridge unless one fully feathered wing is left naturally attached for species identification. The wing shall remain attached at all times while being transported from the place where taken until it has arrived at the permanent residence of the possessor.
- If a hunter puts or leaves any game birds at any place or in the custody of another person, the birds should be tagged by the hunter with the following information: 1) the hunter's ALS number; 2) the hunter's signature; 3) the hunter's address; 4) the total number of birds involved, by species; and 5) the dates such birds were killed. Game birds should be tagged if the birds are being transported by another person for the hunter, or if the birds have been left for cleaning, storage (including temporary storage), shipment or taxidermy services.

Waste of Game (MCA 87-6-205)

It is unlawful to waste any part of any game animal, game bird, or game fish suitable for food.

- The following are upland game bird parts "suitable for food:"
 - All birds that fall into the size category of the partridge or smaller, only the breasts must be retained.
 - All birds larger than a partridge and up to the size category of, and including, pheasants and sage grouse, the breasts and the thighs must be retained.
 - All turkeys: the breasts, thighs and wings must be retained.
 - For migratory birds, "suitable for food" means the breast meat.

Other Species Information

California and Gambel's Quail

These non-native species are now found throughout portions of Montana. The Montana Fish & Wildlife Commission has designated California and Gambel's quail as prohibited species, which means:

- Possession, sale, purchase, exchange, or transport of **live** birds in Montana is prohibited.
- Feral California and Gambel's quail may be taken without license, season, or limit.

Eurasian Collared Doves

This non-native exotic species is now found throughout much of Montana, especially in and near cities and towns.

- The Montana Fish & Wildlife Commission has designated them as an unprotected species that may be taken without license, season, or limit.
- They are different from a mourning dove in that they are larger, have a rounded tail rather than a pointed one, and they have a black ring around the back of the neck.

Hunter Land Access

Hunters, it is your responsibility to know where you are, to know who owns the land, and to know what access restrictions apply.

Block Management - The Block Management program is a cooperative effort among private and some public landowners, FWP, and hunters. The program seeks to: 1) maintain public hunting access to private and isolated public lands; 2) help landowners manage public hunting and provide benefits to offset impacts like increased road maintenance and weed control; and 3) help FWP manage wildlife. Each FWP Region administers the Block Management Areas (BMAs) for its portion of the state. If you are interested in hunting a BMA, contact the regional office in the area you wish to hunt. The BMA hunting access guide lists current information on lands enrolled in the program statewide. These are available annually on August 15. The earliest date to reserve access to a BMA is August 22.

Federal Land Access

- National Parks Service: National Parks are closed to hunting. For other lands administered by the National Park Service, please contact the specific site managers for additional information.
 - National Wildlife Refuges - More restrictive regulations, including species specific restrictions and closures, may apply to national wildlife refuges open to public hunting. Contact the specific refuge and/or visit fws.gov/refuges/ for additional information.
 - U.S. Forest Service: Area specific closures or restrictions may apply. Inquire at the appropriate Regional Forest Service Office.
 - Bureau of Land Management: Area specific closures or restrictions may apply. Inquire at the appropriate BLM Field Office.
 - Other federal lands: Area specific closures or restrictions may apply. Inquire at the local federal land management agency office.
- Unlawful Posting of State or Federal Land (MCA 45-8-115): It is unlawful for a person to knowingly post land that is under the ownership or control of the state or federal government to restrict access or use of state or federal land.

Fishing Access Sites - Many of Montana's Fishing Access Sites (FAS) offer hunting opportunities, however certain restrictions may apply such as no-hunting safety zones and/or restrictions on the type of hunting weapon or firearm that may be used. Refer to the Fishing Access Site website at myfwp.mt.gov/fishMT/explore for site specific information, opportunities and restrictions.

Indian Reservations

- The State of Montana and the Confederated Salish and Kootenai Tribes have entered into a cooperative management agreement on the Flathead Indian Reservation. Please check for upland game bird regulations specific to the Flathead Reservation. For information call the Kalispell FWP office at 406-752-5501 or the Tribes in Pablo at 406-883-2888 ext. 7200.
- State regulations apply to deeded land within the Crow Indian Reservation.

Montana State Parks - Some of Montana's State Parks provide hunting opportunities; however certain restrictions may apply such as no-hunting safety zones and/or restrictions on the type of hunting weapon or firearm that may be used. Contact the specific park and/or refer to the Montana State Park website at fwp.mt.gov/stateparks for site specific information regarding hunting opportunities and restrictions.

Private Land Access - Montana law requires permission for all hunting on private land. See above for information on FWP's Block Management Program.

Railroad Access - Railroads and railroad rights-of-ways are private property and may not be hunted without permission, nor should they be used as access to other lands (private or public) without explicit permission from the railroad.

State Game Preserves - See Closed or Restricted Areas.

State School Trust Lands - Additional information, including closures and restrictions, is available from the DNRC at 406-444-2074.

- A Conservation License provides hunters, anglers and trappers access to lawfully accessible State School Trust lands for related activities during applicable seasons. Additional permitting is required through the Department of Natural Resources and Conservation (DNRC) for trapping on trust lands.
- Overnight use must not exceed the following limits: two consecutive days on leased land, 16 consecutive days within designated campgrounds or on unleased land.
- Motorized travel is only allowed on public roads or on roads designated as open. This restriction applies to all activity including game retrieval.
- Firearms may not be discharged upon trust lands within one-quarter mile of inhabited dwellings or outbuildings on state trust lands without permission of the inhabitant.
- Open fires are prohibited outside of fire pits within designated campgrounds.

State Wildlife Management Areas - FWP's Wildlife Management Areas (WMA) are generally open to hunting during the game animal hunting season. WMAs with game winter range are closed to public entry, unless otherwise posted, from the day following the end of the general deer-elk season or December 1, whichever is later, to noon on May 15 each year, as posted.

Exception: There are several exceptions to these guidelines. For WMA specific information, please call the Regional office (see page 8 for contact numbers) or visit the FWP website at: fwp.mt.gov/conservation/wildlife-management-areas

Upland Game Bird Enhancement Program (UGBEP) - Provides technical and financial assistance to enhance and conserve upland game bird habitats on lands open to public upland game bird hunting. Partnerships are formed between FWP and 1) private landowners, 2) government agencies, 3) conservation organizations, or 4) a combination of the various partners. Hunters can order the annual Projects Access Guide, which includes project specifics, area maps, and the method used to request permission to hunt on private lands enrolled in UGBEP. Visit fwp.mt.gov to order your guide. Obtaining landowners' permission to hunt upland game birds is required prior to hunting or entering any private land project area.

Closed or Restricted Areas - Upland Game Bird and Falconry

Gates of the Mountains Game Preserve: Closed to all hunting: Beginning in Section 2, T12N, R3W at the southeast corner of Upper Holter Lake, then proceeding westerly along the northern shoreline of Upper Holter Lake in the Gates of the Mountains area located in Lewis and Clark County, then northerly along Stoney Point Beacon Road, then northerly along the powerline to said beacon, then along Bulldozer Road to the point of the ridge in Section 23, T13 N, R3W, then northerly to the Missouri River, then easterly across said river and lake to the USFS boundary to the wilderness boundary, then south along wilderness boundary to the southeast corner of Section 1, T12N, R3W, then west back to Upper Holter Lake, the point of beginning. Intending hereby to include in said game preserve all the territory adjacent of the Gates of the Mountains area, shall be called and known as the Gates of the Mountains Game Preserve.

Helena Valley Regulating Reservoir (Lewis and Clark County): Open to upland game bird hunting up to the opening day of the waterfowl season at which point it is closed to all hunting.

Freezout Lake Wildlife Management Area (Teton County): Open to upland game bird hunting until the opening of the general waterfowl season, then it will be closed to all hunting in the following described portion of the Wildlife Management Area: SW 1/4 Section 19, Sections 29 and 30, T22N, R3W, W 1/2 Section 12, W 1/2 of E 1/2 Section 12, and that portion of Sections 13 and 24 within the posted boundary of the Freezout Lake Wildlife Management Area, T22N, R4W. The area closed will reopen November 20.

Bird Hunters: Know How to Release Your Dogs from Snares and Traps

For more information, go to the FWP website at fwp.mt.gov/hunt/trapping and click on the links under "Helpful Information."



Hunting Season Information

Season Dates	Bag Limit	Additional Information
Mountain Grouse		
Blue, Ruffed and Franklin's Grouse may be taken with a shotgun not larger than a ten gauge; a long, recurve or compound bow and arrow; a crossbow; or a firearm. All other means of taking are prohibited.		
Sep 01 - Jan 01	Bag Limit: 3 in aggregate daily. Possession limit is four times the daily bag limit.	-
Partridge		
Hungarian and Chukar Partridge may be taken with a shotgun not larger than a ten gauge; a long, recurve or compound bow and arrow. All other means of taking are prohibited.		
Sep 01 - Jan 01	Bag Limit: 8 in aggregate daily. Possession limit is four times the daily bag limit.	Chukar partridge occur primarily in Carbon County.
Sep 01 - Jan 10	Bag Limit: 8 in aggregate daily. Possession limit is four times the daily bag limit.	Portion of Carbon County within the following boundary: Beginning at the junction of Route 72 and the Wyoming-Montana state line, then northerly along said route to Bridger, then northerly along Hwy. 310 to Edgar, then east on the Edgar-Pryor Road to the Crow Indian Reservation boundary, then southerly and easterly along said boundary to the west shore of Big Horn Lake, then southerly along said shore to the Wyoming-Montana state line, then west along said state line to its junction with Route 72, the point of beginning.
Ptarmigan		
Closed	Closed	Closed
Ring-necked Pheasant		
Pheasants may be taken with a shotgun not larger than a ten gauge; a long, recurve or compound bow and arrow. All other means of taking are prohibited.		
Sep 25 - Sep 26 Youth Only	Bag Limit: 3 cock pheasants daily. Possession limit is three times the daily bag limit.	Legally licensed youth ages 15 and under when accompanied by a nonhunting adult at least 18 years of age. Mentors for Apprentice Hunters must be at least 21 years of age.
Oct 09 - Jan 01	Bag Limit: 3 cock pheasants daily. Possession limit is three times the daily bag limit.	-
Sage Grouse		
Sage Grouse may be taken with a shotgun not larger than a ten gauge; a long, recurve or compound bow and arrow. All other means of taking are prohibited.		
Sep 01 - Sep 30	Bag Limit: 2 daily. Possession limit is two times the daily bag limit.	Closed West of the Continental Divide
Sharp-tailed Grouse		
Sharp-tailed Grouse may be taken with a shotgun not larger than a ten gauge; a long, recurve or compound bow and arrow. All other means of taking are prohibited.		
Sep 01 - Jan 01	Bag Limit: 4 daily. Possession limit is four times the daily bag limit.	Closed West of the Continental Divide
Falconry		
All areas open to hunting of upland game birds and/or migratory game birds by firearms shall be open to either-sex hunting of that species by falconry.		
Sep 01 - Mar 31	Bag Limit: 2 daily in aggregate and 6 in possession. Bag and possession limits are not in addition to general limits.	Falconry Hours: One-half hour before sunrise to one-half hour after sunset. Year round sunrise/sunset tables are available on the FWP website.

2021 Sunrise-Sunset Tables For Determining Hunting Hours

These tables, including adjustments for daylight savings time, are the official sunrise-sunset tables adopted by the Montana Fish & Wildlife Commission for hunting in Montana. Authorized hunting hours for the taking of upland game birds and falconry begin one-half hour before sunrise and end one-half hour after sunset each day of the hunting season. **Do not use other sources.**



ZONE 1: INCLUDES: Flathead, Granite, Lake, Lincoln, Mineral, Missoula, Ravalli and Sanders counties

Day	Sept		Oct		Nov		Dec		Jan	
	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.
1	6:56	8:15	7:35	7:15	8:19	6:20	8:01	4:49	8:21	4:58
2	6:57	8:13	7:37	7:13	8:20	6:18	8:02	4:49	8:21	4:59
3	6:59	8:11	7:38	7:11	8:22	6:17	8:03	4:49	8:21	5:00
4	7:00	8:09	7:39	7:09	8:23	6:15	8:04	4:48	8:21	5:01
5	7:01	8:07	7:41	7:07	8:25	6:14	8:06	4:48	8:21	5:02
6	7:03	8:05	7:42	7:05	8:26	6:12	8:07	4:48	8:21	5:04
7	7:04	8:03	7:43	7:03	8:28	6:11	8:08	4:48	8:20	5:05
8	7:05	8:01	7:45	7:01	8:29	6:10	8:09	4:47	8:20	5:06
9	7:06	7:59	7:46	6:59	8:31	6:08	8:10	4:47	8:20	5:07
10	7:08	7:57	7:48	6:58	8:32	6:07	8:11	4:47	8:19	5:08
11	7:09	7:55	7:49	6:56	8:34	6:06	8:12	4:47	8:19	5:09
12	7:10	7:53	7:50	6:54	8:35	6:05	8:12	4:47	8:18	5:11
13	7:12	7:51	7:52	6:52	8:37	6:04	8:13	4:48	8:18	5:12
14	7:13	7:49	7:53	6:50	8:38	6:02	8:14	4:48	8:17	5:13
15	7:14	7:47	7:55	6:48	8:40	6:01	8:15	4:48	8:17	5:15
16	7:16	7:45	7:56	6:46	8:41	6:00	8:16	4:48	8:16	5:16
17	7:17	7:43	7:57	6:45	8:42	5:59	8:16	4:49	8:15	5:17
18	7:18	7:41	7:59	6:43	8:44	5:58	8:17	4:49	8:15	5:19
19	7:19	7:39	8:00	6:41	8:45	5:57	8:17	4:49	8:14	5:20
20	7:21	7:37	8:02	6:39	8:47	5:56	8:18	4:50	8:13	5:22
21	7:22	7:35	8:03	6:37	8:48	5:55	8:19	4:50	8:12	5:23
22	7:23	7:33	8:04	6:36	8:49	5:54	8:19	4:51	8:11	5:24
23	7:25	7:31	8:06	6:34	8:51	5:53	8:19	4:51	8:10	5:26
24	7:26	7:29	8:07	6:32	8:52	5:53	8:20	4:52	8:09	5:27
25	7:27	7:27	8:09	6:31	8:53	5:52	8:20	4:53	8:08	5:29
26	7:29	7:25	8:10	6:29	8:55	5:52	8:20	4:53	8:07	5:30
27	7:30	7:23	8:12	6:27	8:56	5:51	8:21	4:54	8:06	5:32
28	7:31	7:21	8:13	6:26	8:57	5:51	8:21	4:55	8:05	5:33
29	7:33	7:19	8:15	6:24	8:59	5:50	8:21	4:56	8:04	5:35
30	7:34	7:17	8:16	6:23	9:00	5:50	8:21	4:57	8:03	5:36
31	-	-	8:18	6:21	-	-	8:21	4:57	8:02	5:38

ZONE 3: INCLUDES: Big Horn, Blaine, Carbon, Fergus, Golden Valley, Judith Basin, Musselshell, Petroleum, Phillips, Stillwater, Sweet Grass, Wheatland and Yellowstone counties

Day	Sept		Oct		Nov		Dec		Jan	
	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.
1	6:38	7:57	7:17	6:57	8:01	6:01	7:43	4:30	8:04	4:39
2	6:39	7:55	7:18	6:55	8:03	5:59	7:45	4:30	8:04	4:40
3	6:40	7:53	7:20	6:53	8:04	5:58	7:46	4:29	8:04	4:41
4	6:41	7:51	7:21	6:51	8:06	5:56	7:47	4:29	8:04	4:42
5	6:43	7:49	7:22	6:49	8:07	5:55	7:48	4:29	8:03	4:43
6	6:44	7:47	7:24	6:47	8:09	5:54	7:49	4:29	8:03	4:44
7	6:45	7:45	7:25	6:45	8:10	5:52	7:50	4:28	8:03	4:46
8	6:47	7:43	7:27	6:43	8:12	5:51	7:51	4:28	8:03	4:47
9	6:48	7:41	7:28	6:41	8:13	5:50	7:52	4:28	8:02	4:48
10	6:49	7:39	7:29	6:39	8:14	5:48	7:53	4:28	8:02	4:49
11	6:51	7:37	7:31	6:37	8:16	5:47	7:54	4:28	8:01	4:50
12	6:52	7:35	7:32	6:35	8:17	5:46	7:55	4:28	8:01	4:52
13	6:53	7:33	7:34	6:33	8:19	5:45	7:56	4:28	8:00	4:53
14	6:55	7:31	7:35	6:31	8:20	5:44	7:57	4:29	8:00	4:54
15	6:56	7:29	7:36	6:30	8:22	5:42	7:57	4:29	7:59	4:56
16	6:57	7:27	7:38	6:28	8:23	5:41	7:58	4:29	7:59	4:57
17	6:58	7:25	7:39	6:26	8:25	5:40	7:59	4:29	7:58	4:58
18	7:00	7:23	7:41	6:24	8:26	5:39	7:59	4:30	7:57	5:00
19	7:01	7:21	7:42	6:22	8:28	5:38	8:00	4:30	7:56	5:01
20	7:02	7:19	7:44	6:21	8:29	5:38	8:01	4:31	7:55	5:03
21	7:04	7:17	7:45	6:19	8:30	5:37	8:01	4:31	7:55	5:04
22	7:05	7:15	7:46	6:17	8:32	5:36	8:01	4:32	7:54	5:06
23	7:06	7:13	7:48	6:15	8:33	5:35	8:02	4:32	7:53	5:07
24	7:08	7:11	7:49	6:14	8:34	5:34	8:02	4:33	7:52	5:08
25	7:09	7:09	7:51	6:12	8:36	5:33	8:03	4:33	7:51	5:10
26	7:10	7:07	7:52	6:10	8:37	5:32	8:03	4:34	7:50	5:11
27	7:12	7:05	7:54	6:09	8:38	5:32	8:03	4:35	7:49	5:13
28	7:13	7:03	7:55	6:07	8:40	5:31	8:03	4:36	7:47	5:14
29	7:14	7:01	7:57	6:05	8:41	5:31	8:04	4:37	7:46	5:16
30	7:16	6:59	7:58	6:04	8:42	5:31	8:04	4:37	7:45	5:18
31	-	-	8:00	6:02	-	-	8:04	4:38	7:44	5:19

ZONE 2: INCLUDES: Beaverhead, Broadwater, Cascade, Chouteau, Deer Lodge, Gallatin, Glacier, Hill, Jefferson, Lewis & Clark, Liberty, Madison, Meagher, Park, Pondera, Powell, Silver Bow, Teton and Toole counties.

Day	Sept		Oct		Nov		Dec		Jan	
	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.
1	6:49	8:06	7:27	7:07	8:10	6:12	7:52	4:42	8:12	4:51
2	6:50	8:05	7:29	7:05	8:12	6:11	7:53	4:42	8:12	4:52
3	6:51	8:03	7:30	7:03	8:13	6:09	7:54	4:42	8:12	4:53
4	6:52	8:01	7:31	7:01	8:15	6:08	7:56	4:41	8:12	4:54
5	6:54	7:59	7:33	6:59	8:16	6:06	7:57	4:41	8:12	4:56
6	6:55	7:57	7:34	6:57	8:18	6:05	7:58	4:41	8:12	4:57
7	6:56	7:55	7:35	6:56	8:19	6:04	7:59	4:41	8:12	4:58
8	6:58	7:53	7:37	6:54	8:21	6:03	8:00	4:41	8:11	4:59
9	6:59	7:51	7:38	6:52	8:22	6:02	8:01	4:40	8:11	5:00
10	7:00	7:49	7:39	6:50	8:24	6:01	8:02	4:40	8:10	5:01
11	7:01	7:47	7:41	6:48	8:25	6:00	8:03	4:40	8:10	5:03
12	7:03	7:45	7:42	6:46	8:27	5:59	8:04	4:41	8:10	5:04
13	7:04	7:43	7:43	6:44	8:28	5:58	8:04	4:41	8:09	5:05
14	7:05	7:41	7:45	6:42	8:29	5:57	8:05	4:41	8:09	5:06
15	7:06	7:39	7:46	6:41	8:31	5:56	8:06	4:41	8:08	5:08
16	7:08	7:37	7:48	6:39	8:32	5:55	8:07	4:41	8:07	5:09
17	7:09	7:35	7:49	6:37	8:34	5:54	8:07	4:42	8:07	5:10
18	7:10	7:33	7:50	6:35	8:35	5:53	8:08	4:42	8:06	5:12
19	7:12	7:31	7:52	6:33	8:36	5:52	8:08	4:42	8:05	5:13
20	7:13	7:29	7:53	6:32	8:38	5:51	8:09	4:43	8:04	5:15
21	7:14	7:27	7:55	6:30	8:39	5:50	8:10	4:43	8:03	5:16
22	7:15	7:25	7:56	6:28	8:41	5:49	8:10	4:44	8:03	5:17
23	7:17	7:23	7:57	6:27	8:42	5:48	8:10	4:44	8:02	5:19
24	7:18	7:21	7:59	6:25	8:43	5:47	8:11	4:45	8:01	5:20
25	7:19	7:19	8:00	6:23	8:45	5:46	8:11	4:46	8:00	5:22
26	7:21	7:17	8:02	6:22	8:46	5:45	8:11	4:46	7:59	5:23
27	7:22	7:15	8:03	6:20	8:47	5:44	8:12	4:47	7:58	5:25
28	7:23	7:13	8:05	6:18	8:48	5:43	8:12	4:48	7:56	5:26
29	7:25	7:11	8:06	6:17	8:50	5:42	8:12	4:49	7:55	5:28
30	7:26	7:09	8:08	6:15	8:51	5:41	8:13	4:50	7:54	5:29
31	-	-	8:09	6:14	-	-	8:12	4:51	7:53	5:31

ZONE 4: INCLUDES: Carter, Custer, Daniels, Dawson, Fallon, Garfield, McCone, Powder River, Prairie, Richland, Roosevelt, Rosebud, Sheridan, Treasure, Valley and Wibaux counties

Day	Sept		Oct		Nov		Dec		Jan	
	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.	Rise A.M.	Set P.M.
1	6:24	7:41	7:02	6:43	7:45	5:48	7:27	4:18	7:47	4:27
2	6:25	7:40	7:04	6:41	7:47	5:46	7:28	4:18	7:47	4:28
3	6:27	7:38	7:05	6:39	7:48	5:45	7:29	4:17	7:47	4:29
4	6:28	7:36	7:06	6:37	7:50	5:44	7:30	4:17	7:47	4:30
5	6:29	7:34	7:08	6:35	7:51	5:42	7:31	4:17	7:47	4:31
6	6:30	7:32	7:09	6:33	7:53	5:41	7:32	4:17	7:46	4:33
7	6:32	7:30	7:10	6:31	7:54	5:40	7:33	4:17	7:46	4:34
8	6:33	7:28	7:12	6:29	7:55	5:38	7:34	4:16	7:46	4:35
9	6:34	7:26	7:13	6:27	7:57	5:37	7:35	4:16	7:45	4:36
10	6:35	7:24	7:14	6:25	7:58	5:36	7:36	4:16	7:45	4:37
11	6:37	7:22	7:16	6:23	7:59	5:35	7:37	4:16	7:45	4:38
12	6:38	7:20	7:17	6:22	8:01	5:34	7:38	4:17	7:44	4:40
13	6:39	7:18	7:18	6:20	8:02	5:33	7:39	4:17	7:44	4:41
14	6:41	7:16	7:20	6:18	8:04	5:32	7:40	4:17	7:43	4:42
15	6:42	7:14	7:21	6:16	8:06	5:31	7:40	4:17	7:43	4:44
16	6:43	7:12	7:23	6:14	8:07	5:30	7:41	4:17	7:42	4:45
17	6:44	7:10	7:24							

Lethality Table

The Lethality Table below is intended to help hunters select the most appropriate nontoxic shotshell load for the type of hunting they intend to do. It provides field-tested data collected and analyzed by Tom Roster and the Cooperative North American Shotgun Education Program. Montana was an active member of this program. The database is comprised only of birds taken with one shot at known ranges under normal hunting conditions. All birds were necropsied and X-rayed from two angles. Hunters can find information in the table on shot-size selection, maximum effective range for various pellets on different sized birds, and the pattern density needed to achieve a lethal load and cleanly kill a bird. It takes a combination of penetration and pattern density to effectively harvest a bird. Testing by Tom Roster showed that pellets need to penetrate at least 2/3 to 3/4 of the way through a bird's body in order to result in a clean kill. The pellets need to strike a lethal area (heart, lungs, spinal column, brain). Also required is a pattern density that, when placed on the front half of a bird, will result in sufficient pellets striking those areas. Developing the shooting skills needed to consistently hit the targeted bird in the front half of the body is a responsibility of an ethical hunter.

TOM ROSTER'S 2016 NONTOXIC SHOT LETHALITY TABLE[©]

Proven Nontoxic Loads For Waterfowl, Doves, & Upland Game Birds¹ <i>Vel. Range Tested: 1,225 - 1,700 FPS</i>	Observed Hunters' Typical Shooting Range During Activity (Yards)	Most Effective Nontoxic Shot Size(s) For Birds Listed Under ACTIVITY At The Distances Listed In The Second Column	Minimum Load Weight (Ounces)	Minimum Pellet Hits Needed on Lethal Areas for Clean Kills	Minimum Pattern Count Needed at Any Distance for Clean Kills (# of Pellets in 30" Circle)	Most Effective Choke(s) at Distance (Given n Lead Shot Choke Designations)	NOTE: The pellets in the steel shot loads listed in this table were traditional, highly spherical ball-shaped pellets of - 7.86 g/cc density and 90-95 DPH hardness. The HEVI-Shot pellets were of 12.0 g/cc density and are harder than traditional steel pellets.
ACTIVITY							
Ring-Necked Pheasants	20-50 20-50	Steel 3 to 2 HEVI-Shot 6 to 4	1 1-1/8	2-3 2-3	90-95 90-95	I.C. (20-30 Yds), Mod. (30-50 Yds) I.C. (20-30 Yds), Mod. (30-50 Yds)	
Turkeys (Head and Neck Shots)	20-40	Steel 4; HEVI-Shot 6	1-1/4	3-4	210-230	Full or Extra Full	
Mourning Doves	20-45 20-45	Steel 8 to 7 HEVI-Shot 7½	5/8 - 3/4 3/4	1-2 1-2	200-210 200-210	IC-8's/LM-7's (20-30 Yds); Mod > 30 Yd I.C. (20-30 Yds); Light Mod (30-45 Yd)	
Northern Bobwhite Quail	20-30	Steel 8 to 7	5/8 - 3/4	1-2	200-210	Imp. Cyl., Light Modified	
Swatter Load For Wounded Birds	20-30	Steel 7 to 6	1	1	175	Improved Modified, Full	

This table summarizes Tom Roster's analyses to date of the lethality data bases for certain of the 16 U.S. steel vs lead waterfowl & dove shooting tests published between 1968 & 2014 & one steel-only pheasant shooting test (1999) plus lethality data bases owned by ammunition companies for birds taken with nontoxic shotshell loads Roster tested for them & the CONSEP Org.

Note: Steel #BBB (.190") & HEVI-Shot #2 (.150") have exhibited the best all-around performance for taking geese; steel #3 (.140") & HEVI-Shot #4 (.130") the best all-around performance for taking ducks; steel #2 & HEVI-Shot #4 (.130") the best all-around performance for taking ring-necked pheasants; & steel 7's (.100") the best all-around performance for taking doves.

¹These findings are derived from testing 2¾" 28 gauge; 3" 20 ga.; 2¾", 3" & 3½" 12 ga.; & 3½" 10 ga. steel loads; plus 2¾" 28 ga.; 2¾" & 3" 20 ga.; and 2¾" & 3" 12 ga. HEVI-Shot loads.

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REGION 3 1400 South 19 th Ave Bozeman, MT 59718 (406) 577-7900	REGION 7 352 I-94 Business Loop PO Box 1630 Miles City, MT 59301 (406) 234-0900	HAVRE Area Res Office (HVARO) 2165 Hwy 2 East Havre, MT 59501 (406) 265-6177
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