

Dan Frankian, www.hawkeye.ca Bird animal control

www.hawkeye.ca

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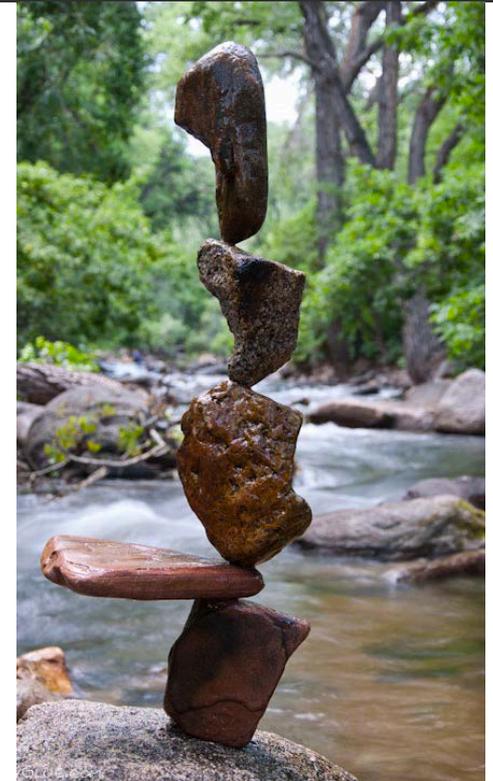
TEL: (416) HAWKEYE



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takes prides in team work and out of the box thinking

- Holders of FAA SFY-3000 airport wildlife hazard management certifications
- Fur managers Federation permit holder
- Master/commercial Falconer USA and CA
- Capture/Mist net permit holder
- CWCP Certified Wildlife Control Professional
- Chairman of Wildlife committee, SPMAO
- Member Canadian bird strike
- And much much more...



Hawkeye specializes in the use of birds of prey for bird control



www.hawkeye.ca

is extreme bird control: Bases & ports



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We are packed and we are off to any job anywhere

- We packed our travel bins x6 for our equipment.
- We packed our firearms and ammo for offsite work.
- We packed our birds of prey and our dogs.
- most jobs are 21 days we take everything we need to live out at the site.

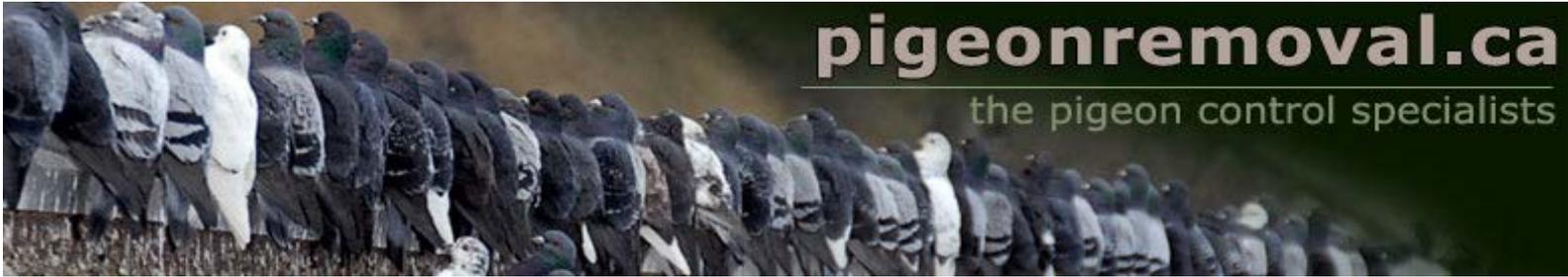


www.hawkeye.ca

office in Canada with 21 staff
offices in Florida with 5 staff.

- We will Consult or Provide you a team of 2 to 8 people that airport trained staff anywhere in the world 3-4 weeks
- We will go ANYWHERE in the world to do a bird and animal control work, NO JOB IS TOO BIG.
- Email me dan@hawkeye.ca
- I would be happy to discuss YOUR JOB

Hawkeye.ca Air and pellet rifles



Dan@hawkeye.ca,

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Bird and animal wildlife control mitigation



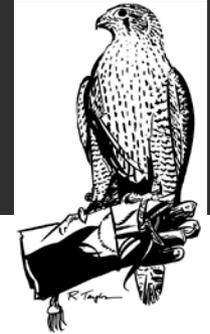
- We have all started with air rifles, most of us started with this



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Bird and animal wildlife control mitigation



- These days this is what air rifles look like
- Fyi this rifle is over \$US 2600-\$4,000. With no accessories



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Bird and animal wildlife control mitigation



- I am going to put these air rifles in 3 separate categories with budgets.
- Good package: Up to \$1000.00 with, scope, meter, pellets,
- Very good package: From \$1000 to \$2500 with scope, wind meter, silencer, bipod, range finder
- Excellent package: From \$2500 to \$4500 all inclusive, scope, meter, silencer bipod, range finder, ballistic computer
- All prices are quoted in \$US

Diana Pump, single stroke, break open spring piston \$1000 all in



Pump is the most common, as stated in the name you must pump this type of air rifle. Pumps are light weight

usually recoil frontwards because its the piston that moves forward. This moving part makes them less accurate and shakes cheap scopes Apart.

Power range is light to medium

Diana air rifle are great for our uses. Usually in 0.22 caliber usually outdoors

PCP \$1000-2500 all in. Air Arms S-510 family of rifles

Air compressed in a scuba tank or a carbon fiber tank 3500-4500psi,

A special hose with a pressure gauge attachment is used to connect the gun to fill the air in the tank.

This PCP is a single shot bolt action and puts pellet touching At 25 meters
Power range is medium to high with variable power



PCP \$2500-4000 The Fx, Crown rifle. all in with, scope, bipod, windmeter...



- The Fx, Crown
- Very accurate air rifle, well designed, large capacity,
- It is an all-in-one rifle allows for quick change of any of its available calibers (.177,.22,.25.30) by acquiring additional available barrel kits.
- This thing can slice paper on its edge at 25 meters



FX Impact X2, PCP Air, bull pup style \$2500-4000 full package



- This rifle is excellent and is nearly the top end of its game
- Advantages interchangeable multi barrel lengths 500,600,700mms
- Interchangeable 0.177, 0.22, 0.25, 0.30 ++ with multiple weights of pellets and slugs
- Variable power
- Multiple shot magazine over 20 shots
- Excellent trigger control, cheek height and length control,
- simultaneous dual air tank options
- Excellent suppressor/silencers options
- has lots modifications available



Air Gun Calibers

0.177, 0.22, 0.25, 0.30 ++



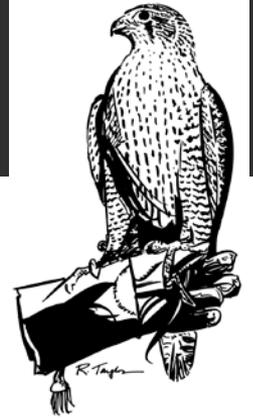
Lewis and Clark Expedition special Air rifles were 0.51", 13 mm, 201.49 grains (13.06 gr) either that large silver one or in a lead ball at 500ft per second.

They killed everything they needed with that. Powder did not keep dry.

This is full range of pellets
lead, lead free, hollow point,
domed, pointed, wad, ballistic tip.



0.177/4.5 mm



- The .177 caliber was created shortly after the 20th century.
- Used mostly for target shooting and competition.
- A problem .177 pellets have is that because they are light weight they travel faster, once the speed of the pellet approaches the speed of sound (approximately 1,100 f.p.s sea level) the accuracy suffers.
- Mach 1, speed of sound affects ballistics hugely in air rifles.
- You want to hit heavy and hard but under 1100fps to get your accuracy for ethical shots, without a thru and thru puncture on a backstop.
- Only good for very small birds, sparrows, small starlings

0.22/5.58mm

- The .22 caliber pellet grew out of the .22 rim fire.
- Mostly used for pest control, it was the most popular rifle in America until the 1960's.
- Come in a variety of pellets, nearly 200 pellets are made in this caliber.
- Are good for sparrows, starlings, pigeons, grackles, chipmunks and squirrels.



JSB Heavy Ultrashock .22 Cal - 25.4 gr

	AirForce Talon SS		Hatsan AT44		Benjamin Marauder	
	FPS	FT/LBS	FPS	FT/LBS	FPS	FT/LBS
Shot 1	717.2	29.02	696.2	27.34	652.9	25.04
Shot 2	713.2	28.7	701.2	27.74	648.9	23.75
Shot 3	708	28.28	705.1	28.05	649.5	23.8
Shot 4	706.8	28.18	706.8	28.18	651	23.91
Shot 5	702.8	27.86	705.9	28.11	644	23.4
Shot 6	702.5	27.84	710.3	28.46	652.3	24
Shot 7	701.9	27.79	715.4	28.87	649.1	23.77
Shot 8	702.1	27.81	713.2	28.7	649.4	23.79
Shot 9	698.9	27.56	714.9	28.83	649.4	23.79
Shot 10	700.9	27.71	710.3	28.46	648.3	23.71

0.25/ 6.35mm



- The quarter-inch bore, existed in smooth bore air guns at the end of the 19th century. Up until the 1980's all .25 caliber rifles were low-powered and slow.
- These days they are great pest control rifles
- Good for crows, small sea gull sized birds.
- Better for squirrels
- Very accurate



0.30/7.62mm



- .30 is a heavy, very precise air gun pellet for strong, big bore air guns. Hits like a medicine ball.
- For Pigeons, Ducks, Crows, Pheasant, cormorants, squirrels, skunks, rabbits and more



Slugs



- Slug pellets are for the more powerful modern PCP air rifles.
- Slug pellets have more surface contact with the bore.
- Because slug pellets have no skirts to generate drag stability, they also require a fully rifled barrel for spin stabilization flight.
- Come in .22, .25, .30 and much much larger
- Require special barrels for better accuracy.

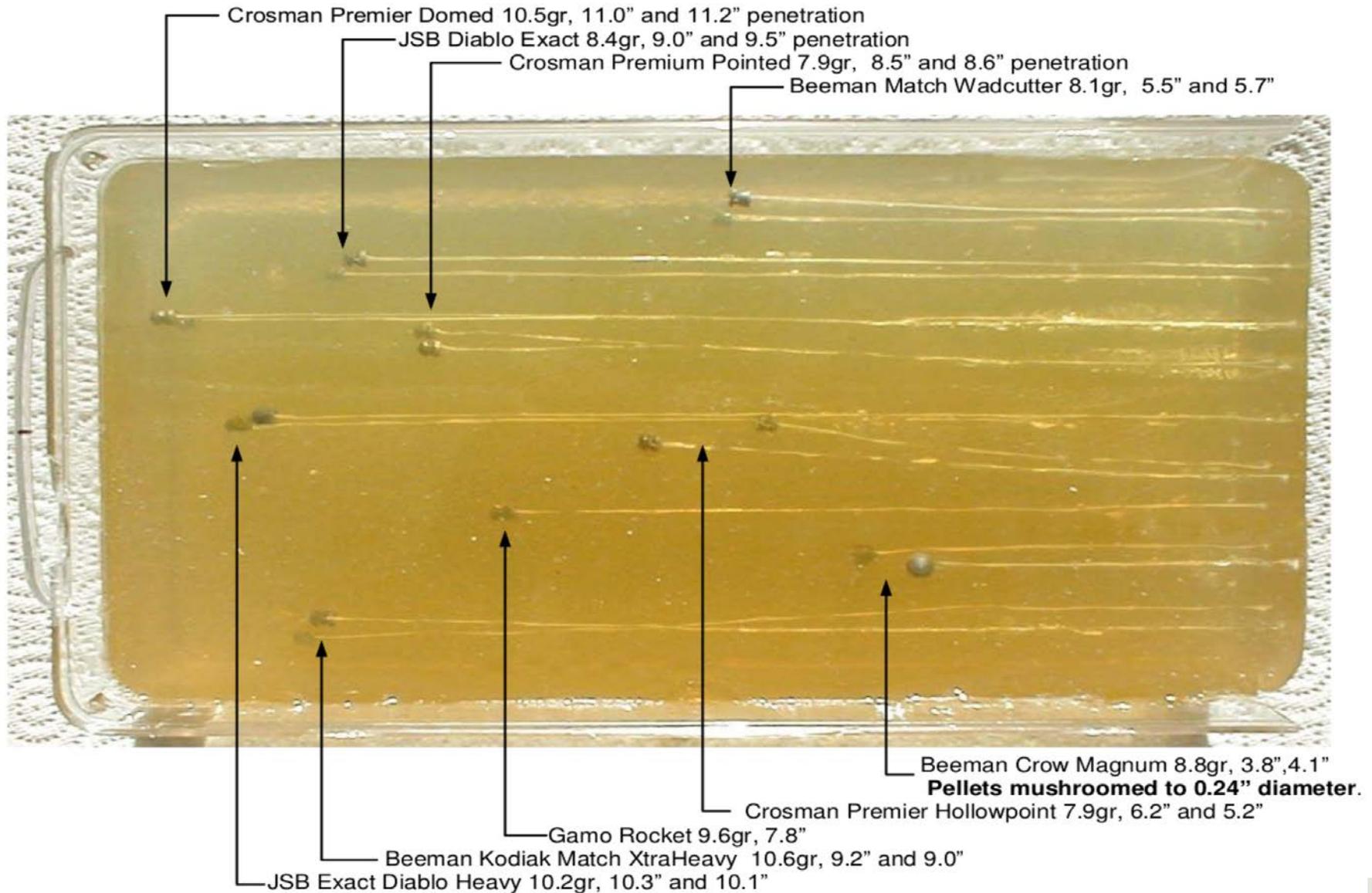


BIG BORE



SMALL BORE

12" block ballistic gel



What pellets and slugs to use

- Pellets: in the right caliber can be used in any air rifle for the barrel, come in different weights and tips
- The right pellet is: the right size for the right pest that does not go thru the pest birds or animals and puncture the wall or ceiling at your minimum distance and kill it in one shot.
- Slugs usually need special barrels for accuracy and are usually heavier and therefore have a heavy punch
- The right slug is: With the right barrel, shoots longer distance up to 200m, usually larger birds or animals and will not puncture the wall or ceiling at your minimum distance and kill it in one shot. Usually with advanced shooter.
- You will need to go to a range and test what you want out. Make a range card, add scope tape, learn you rifle. PRACTICE
- You will need to recheck you equipment after every flight when traveling, or heavy bump or 50 shots. Things move and need cleaning.

ATN, medium to high end scopes

- ATN connects to a tablet or smart phone, wind meter, range finder via Bluetooth.
- Has thermal imaging for night vision, and high resolution
- Have a ballistic calculator built in
- It's a scope camera as well
- Has a big learning curve



Hawke, Air Max series medium to high end scopes

- Air max 1 inch chassis designs feature AMX reticle, which is based on mil spacing,
- the air max series have hold over and wind range aim points perfect for pellet trajectory specifically made for pellet rifles
- These are great scope for most shooting



Night Force scopes high end scopes

- Night force has over 22 different scopes specific to different needs.
- They have ED corrected non glass, for superb colour contrast
- Straight lines
- Excellent scopes



Nikon, good

- Has magnification 6x zoom
- Some have declination, ballistics and are stabilized
- Good in dense areas of thick bush



Range finders –ATN, better

- Hunters use rangefinders to gauge the distance between themselves and their prey. Once they know how far away the prey is they can make a more accurate shot.
- Uses Bluetooth to pair with any ATN smart HD scope for instant point of impact corrections.
- Will also pair with wind meters
- Will also pair with ballistic calculators



Sig Sauer KILO2400ABS IS GREAT

- Ranging technology uses an on-board inclinometer that reads incline/decline angle
- the effective ballistic computer is
- Has Bluetooth
- Add a wind meter to it
- Fit on a tripod or barrel
- iOS and Android compatible



Air gun Silencers From Donny FL

- American citizens you may request permission for the federal government to own a silencer, muffler, noise suppressor In certain states.
- Canadians no
- <https://donnyfl.com>



Wind Meters by Kestrel

I would not use anything else

- ▣ Using a wind meter for long distance shooting can be extremely helpful for desired shot placement and compensatory for cross wind conditions. Some high end gauges for shooting even have special applied ballistic functions that help you make calculations for shooting in the wind.
- ▣ Bluetooth, High resolution, Night mode
- ▣ Measures: current wind speed, average wind speed, max wind gust, temperature, barometric pressure, and altitude density altitude

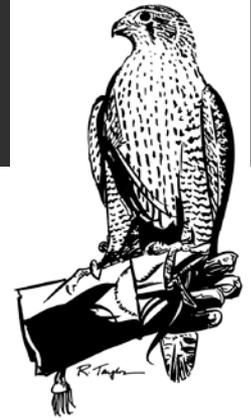


Harris bipods , medium price

- Ultra light
- Adjustable legs with spring return
- Made in USA



Javlin medium to high end



- Built using only the very best materials available, these products represent a major leap forward for rifle support systems.
- Using rare earth magnets.

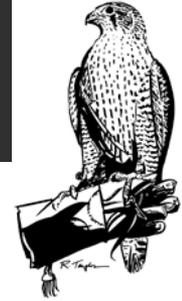


Atlas, high end bipods \$200-500

- It is comprised of 6061-T6 aluminum that is mil spec type III hard coat anodized and have heat treated stainless steel components.
- I prefer Atlas



Ballistic Computers ATN



- Smart shooting solutions is a set of several features and sensors that collaborate with each other. All you need to do is enter some data, the scopes on board computer will take that data and make adjustments.



Chair Gun

- Chair Gun, from Hawke sport optics, is the only ballistics software that is specifically designed and developed for air gun users.

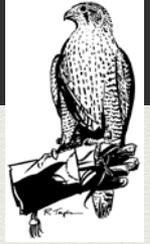
Kestrel

- Bluetooth link
- All meters include both options of red (night vision) and white backlight.

The full set up Bluetooth



Finding the sweet spot



To kill a pest/animal ethically, dead, not injured.

One shot, One kill, center mass.

If it's inside a building you don't want to put a pellet through a wall or ceiling

and definitely do not put a hole through the bird or animal then through the wall or ceiling as well.

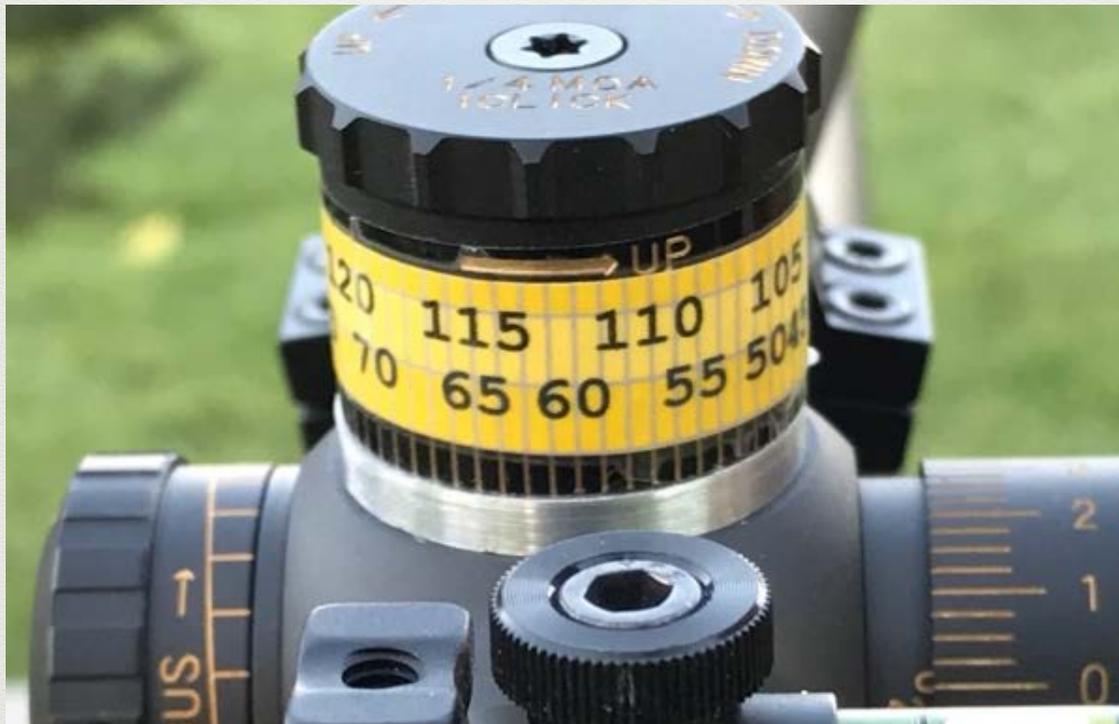
Practice on a range with the pellet rifle you will be using to find the best speed /velocity for the caliber and weight of the pellet you will be using for a particular size of pest/animal.

Mark your speed and distance on a range card and scope tape at differing distances to find your sweet spot.

Wind, temperature and humidity can all affect accuracy, speed and trajectory of a pellet or slug.

SCOPE TAPE

Excellent way to mark Distance with specific
Ammunition



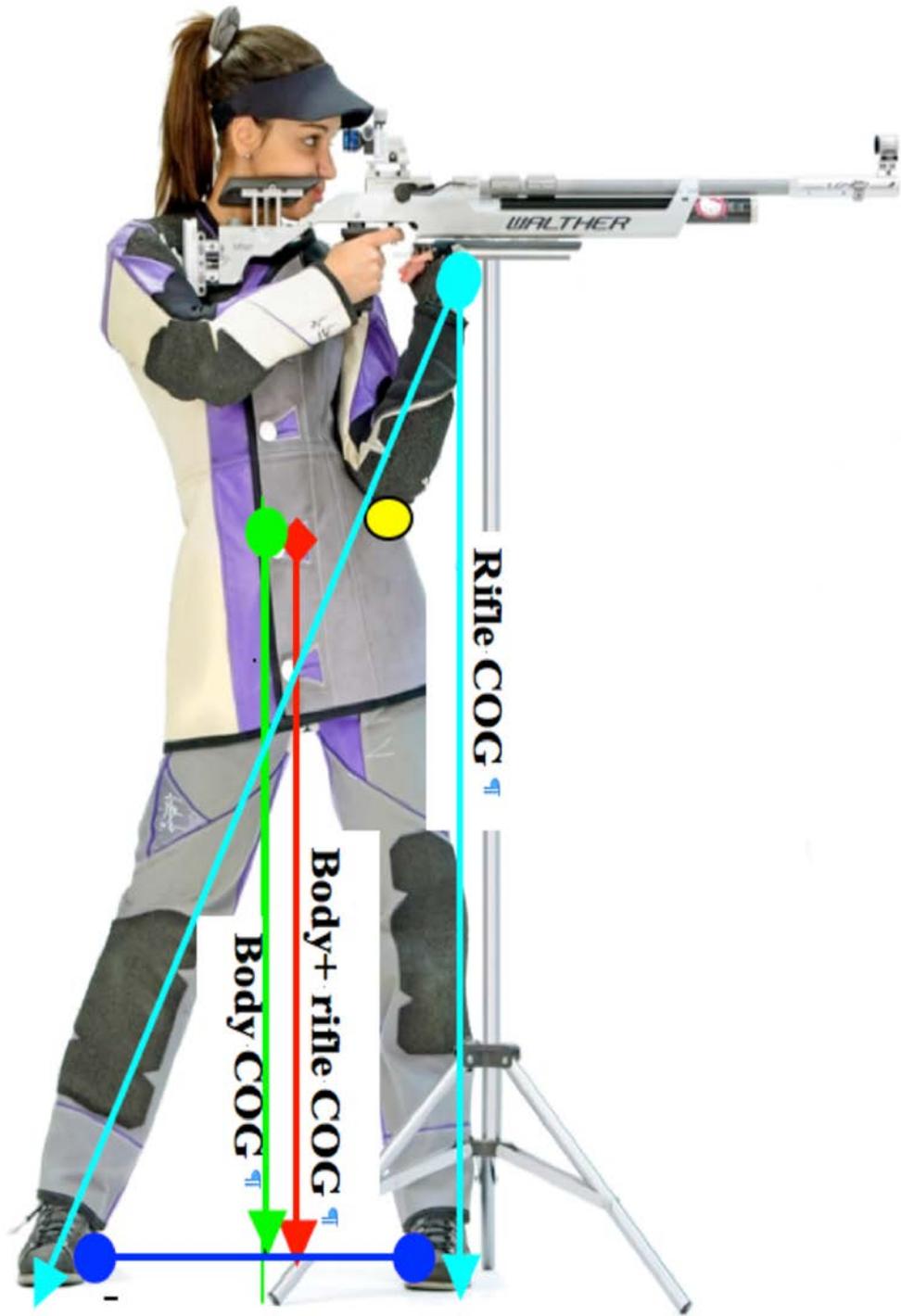
WHERE TO SHOOT



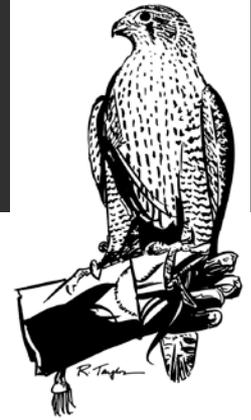


Shooting positions





Using anything with a bean bag



Shooting from a vehicle or moving blind (legally)

- Be very careful if you can use it as a blind



Use a blind or portable stand



ATTENTION

NEVER
POINT YOUR
GUN AT
ANYTHING
YOU DON'T
WANT TO
SHOOT



www.hawkeye.ca

TEL#: 416-(HAWKEYE)

Call us for a Job anywhere



□ To the SPCA,
□ NO BIRDS
have been
harmed in the
making of this
project.

www.hawkeye.ca

Call us for a Job anywhere



Think of us as the special forces with birds of prey.

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Q&A

