

REFERENCES: Proposed Urban Agriculture Code July 9, 2015

The following sites were utilized during the crafting of the draft ordinance.

MODEL CODE

This contains a model small farm animal code. It was prepared by an attorney after studying the regulations of 100 most populous communities.

<http://s3.amazonaws.com/mocobyc/SSRN-id2119494.pdf>

This contains a model code for urban agriculture; pg 20-37

http://changelabsolutions.org/sites/default/files/Urban_Ag_SeedingTheCity_FINAL_%28CLS_20120530%29_20111021_0.pdf

Youngstown study comparing 13 small farms and looking at the feasibility of various operations.

<http://static1.squarespace.com/static/5548ed90e4b0b0a763d0e704/t/5559794ae4b0176908723b5f/1431927114399/Youngstown-Urban-Ag-Report-6.012-4.pdf>

CODES FROM VARIOUS COMMUNITIES

Boston code; has requirement for abandonment of an urban farm.

<http://www.bostonredevelopmentauthority.org/getattachment/8405c72c-7520-43ad-a969-0e27ddd7a2>

Somerville, MA; 28 pages, brochure format for average citizen; contains information about code as well as animal and plant and bee info.

http://www.somervillema.gov/sites/default/files/SomervillesABCsOfUrbanAgriculture_5.pdf

Chicago requires urban farms to be licensed; brochure format of Q & A information regarding gardens, etc.

http://www.cityofchicago.org/city/en/depts/dcd/supp_info/urban_agriculturefaq.html

Portland requires permits for more than three animals; permit required for more than 3 animals/birds. Larger animals, including turkeys, require a permit; brochure format for informational purposes.

<https://www.portlandoregon.gov/bps/article/362065>

Ft. Collins, Colorado; code requirements for keeping chickens

<http://www.colocode.com/ftcollins/municipal/chapter4.htm#sec4d117>

Ft. Collins, Colorado; contains links to brochures and actual code for their urban agriculture.

<http://www.fcgov.com/developmentreview/urbanagriculture.php>

Goat regulations in Ft. Collins; page has links to brochures; test is required before ownership is approved; must understand what you are getting into.

<http://veterinaryextension.colostate.edu/News/backyardgoats.shtml>

New York; extensive discussion of various aspects of urban agriculture, including regulations; 106 pages

http://smallfarms.cornell.edu/files/2012/03/GuidetoUrbanFarminginNYS_Revised2.12.13-2jpbu08.pdf

Grandview, Missouri; code requirements for chickens

<http://www.grandview.org/index.aspx?page=880>

Albany, California; code requirements for keeping of small farm animals; permit required

<http://www.albanyca.org/index.aspx?page=812>

Denver's code requirements for selling urban agricultural products out of the home.

http://denver.colostate.edu/pdf/Handout_Residential_Sales_English.pdf

Cleveland, Ohio; contains links to the various regulations, including hoop houses.

<http://www.sustainablecitiesinstitute.org/topics/food-systems/urban-agriculture/urban-agriculture-policies-city-of-cleveland-ohio>

Minneapolis; a look at their draft urban agriculture provisions, including notes regarding certain recommendations that were made.

<http://www.minneapolismn.gov/www/groups/public/@cped/documents/webcontent/wcms1p-090609.pdf>

Minneapolis; chicken and garden regulations

<http://www.ci.minneapolis.mn.us/sustainability/homegrown/WCMS1P-133231>

<http://www.ci.minneapolis.mn.us/sustainability/homegrown/WCMS1P-140395>

Seattle's code for urban agriculture

<http://www.seattletilth.org/learn/resources-1/city-chickens/citychickensregulations>

Pittsburgh; brochure with Q&A information on keeping chickens and bees

http://www.pittsburghpa.gov/dcp/files/urbanagriculture/Urban_Agriculture_Handout.pdf

Redmond, WA; information on keeping of chickens, brochures

<https://www.redmond.gov/Residents/ChickenHusbandry>

<https://www.redmond.gov/common/pages/UserFile.aspx?fileId=64496>

<https://www.redmond.gov/common/pages/UserFile.aspx?fileId=69270>

Greenbay

<https://www.nwtc.edu/academics/ProgTeamSites/OSAFE/Documents/Green%20Bay%20Poultry%20Ordinance.pdf>

Denver and surrounding communities; links to the municipal codes of various communities

<http://denver.colostate.edu/chickencodes.html>

Various Illinois communities and chicken regulations

<http://www.backyardchickens.com/atype/3/Laws/tag/illinois-ordinances/>

Portland Code

<https://www.portlandoregon.gov/bps/article/362065>

Portland; Animal facility language for keeping chickens or bees

<https://www.portlandonline.com/auditor/?c=28228&a=185339>

Portland Animal Code

<https://www.portlandonline.com/auditor/index.cfm?c=28177>

<https://www.portlandonline.com/auditor/index.cfm?c=28231&a=13520>

Seattle chicken regulations

<http://buildingconnections.seattle.gov/2011/08/01/chickens-and-code-enforcement/>

CHICKEN INFORMATION

Some basic care facts about chickens for the average resident to know.

<http://www.care2.com/causes/5-things-to-know-about-backyard-chickens.html>

Scientific article from Florida regarding hens and causes behind an absence of egg-laying.

<http://edis.ifas.ufl.edu/ps029>

A common-sense look at chickens, their costs, their benefits, and the commitment they require from the owner.

<http://web.extension.illinois.edu/cfiv/weekly/131111.html>

This is straight talk about raising chickens from someone who actually raises chickens.

<http://www.nwedible.com/you-absolutely-should-not-get-backyard-chickens/>

An interesting snapshot of regulations from around the country.

<http://thecitychicken.com/chickenlaws.html>

An interesting discussion group that is looking at the cost of raising chickens.

<http://www.savingadvice.com/forums/general-discussion/73987-should-i-get-backyard-chickens.html>

Some basic info about chickens, brooding, hatching and emotions

<http://www.chickenhop.com/info/hatching.html>

Care needs of chickens in high heat conditions.

<http://www.backyardchickens.com/a/how-to-care-for-chickens-in-the-hot-summer-months>

Includes pictures of suggested ways to keep chickens cool in high heat conditions.

<http://www.the-chicken-chick.com/2012/04/beat-heat-how-to-help-chickens-survive.html>

Discusses the issue of chickens and whether it is necessary to de-worm them.

<http://www.lifeatcobblehillfarm.com/2013/08/chicken-keeping-to-worm-or-not-to-worm.html>

This power point presentation looks at the various ticks and mites that can infect poultry and makes recommendations for treatment.

<http://carrsconsulting.com/thepig/teaching/vet437murdochpigs/lectures/pdflectures/poultry%20backyard%20disorders.pdf>

Informational brochure from the University of Florida on avoiding salmonella transfer from chickens to humans.

<http://brevard.ifas.ufl.edu/agriculture/PDF/7107ag.pdf>

GOAT INFORMATION

Written by a backyard gardener for the average person. Discusses some of the downsides of owning goats. The video may be useful in demonstrating how noisy goats can be.

<http://www.livinghomegrown.com/the-truth-about-keeping-backyard-goats/>

Contains some useful information regarding diseases that can be transmitted by goats to humans.

<http://www.extension.org/pages/42415/what-are-some-diseases-goats-can-transmit-to-humans>

Information from Seattle and Kings County regarding goats, milk products, and disease transmission to humans.

<http://www.kingcounty.gov/healthservices/health/ehs/zoonotics/goats.aspx>

RABBIT INFORMATION

This article discusses rabbits and the fleas they get, as well as what to look for and how to treat.

http://www.medirabbit.com/EN/Skin_diseases/Parasitic/fleas/Fleas.htm

Contains information about breeding, butchering, etc. of rabbits.

<http://www.azrabbits.com/useful-information/breeding.html>

TURKEY INFORMATION

Penn State Agricultural Services; basic info on turkeys.

<http://extension.psu.edu/business/ag-alternatives/livestock/poultry-and-game-birds/small-flock-turkey-production>

New Hampshire Cooperative Extension Service info sheet on raising turkeys.

https://extension.unh.edu/resources/files/Resource000475_Rep497.pdf

Here's a look at some of the problems one can encounter with a turkey

<http://www.hgtvgardens.com/homesteading/raising-backyard-turkeys>

Some cost estimates for raising your own turkeys.

<http://www.backyardchickens.com/t/584350/turkey-feed-and-costs-questions>

<http://www.albc-usa.org/documents/turkeymanual/ALBCturkey-13.pdf>

<http://www.communitychickens.com/thinking-about-raising-turkeys/>

Survivalist's perspective on the viability of raising turkeys.

<http://preppingtosurvive.com/2011/11/01/why-turkeys-are-probably-not-the-way-to-go/>

RAISING DUCKS AND GEESE

Ducks vs. Chickens. Keep in mind that ducks need a pond, so the owner needs to be diligent about mosquito populations.

<http://www.hgtvgardens.com/ducks-and-geese/raising-ducks-or-chickens>

Some basic information on raising ducks and geese

<http://www.motherearthnews.com/homesteading-and-livestock/raising-ducklings-and-goslings-zebz1305zstp.aspx>

This site allows you to access the book listed in the article above.

https://books.google.com/books?id=vTgpW6cgwPMC&pg=PA66&lpg=PA66&dq=how+much+does+it+cost+to+raise+a+backyard+turkey?&source=bl&ots=tVBXQ7Qt0j&sig=YBoZOuo3lqV0c2rIFtdMBI_Su-Y&hl=en&sa=X&ei=WtJLVam7A8fooASJu4CgCw&ved=0CF0Q6AEwCQ#v=onepage&q=how%20much%20does%20it%20cost%20to%20raise%20a%20backyard%20turkey%3F&f=false

Consideration needs to be paid to mosquitoes if you are supplying water ponds for ducks.
This is from Arizona

<http://www.backyardchickens.com/t/911145/mosquitoes-in-duck-pond-how-can-i-prevent-this>

ANIMAL UNITS

University of Arizona and a look at animal units.

<https://ag.arizona.edu/arec/pubs/rmg/1%20rangelandmanagement/1%20aum93.pdf>

How animal units are used.

http://en.wikipedia.org/wiki/Animal_unit

DISEASE AND VECTOR CONCERNS

Deer mice and hantavirus ; CDC information for consideration regarding animal feed and attracting rodents.

http://www.cdc.gov/hantavirus/pdf/hps_brochure.pdf

BROWNFIELD AND CONTAMINANT CONCERNS

Text of an EPA webinar regarding urban agriculture and things to consider when using brownfields as agricultural sites.

http://www.epa.gov/brownfields/urbanag/webinar2_transcript.htm

EPA brownfields info

<http://www.epa.gov/brownfields/urbanag/frequent.htm>

<http://www.epa.gov/brownfields/urbanag/>

Lead poisoning and chickens

<http://www.berkeleyside.com/tag/urban-farming/>

EPA and Brownfields

http://www.epa.gov/brownfields/urbanag/pdf/bf_urban_ag.pdf

COMPOST AND MANURE

Ohio and composting regulations

http://epa.ohio.gov/portals/34/document/guidance/GD%201011_UrbanAgCompostingZoning.pdf

A look at the various states

<http://compostingcouncil.org/state-compost-regulations-map/>

A general look at regulations and composting.

<http://modernfarmer.com/2015/01/dear-modern-farmer-legal-start-urban-composting-program/>

EPA rules

<http://www.epa.gov/composting/laws.htm>

Chicago

http://www.cityofchicago.org/dam/city/depts/doe/general/RecyclingAndWasteMgmt_PD Fs/Composting/Ordinance92607_3.pdf

Portland regulations regarding manure

<https://www.portlandonline.com/auditor/index.cfm?c=28819&a=21644>

Compost regulations for a lake region

<https://www.cob.org/documents/pw/lw/materials-and-practices-guidelines.pdf>

FARMERS MARKETS

farmers markets

<https://austintexas.gov/page/selling-food>

GREENHOUSES

Passive greenhouses; includes solar applications.

<http://www.pennandcordsgarden.com/greenhouses.html>

Passive greenhouse in Australia

<http://www.dpi.nsw.gov.au/agriculture/horticulture/greenhouse/structures/ventilation>

Tips on greenhouses in hot climates

<http://homeguides.sfgate.com/keep-vegetables-getting-hot-greenhouse-summer-30028.html>

Full scale greenhouse

<http://www.harnois.com/en/gutter-connected-greenhouses/oasis.html>

mechanical greenhouse

<http://www.gpnmag.com/grower-101-greenhouse-cooling-options>

Colorado and greenhouse management of pests, protection of waterways

<http://www.ext.colostate.edu/pubs/garden/xcm206.pdf>

EPA and greenhouse rules

<http://www.epa.gov/agriculture/nurgreen.html>

Greenhouses utilizing water circulation for growing

<http://www.omafra.gov.on.ca/english/nm/regs/gnfpro/gnfreg.htm>

Minneapolis; greenhouse and hoop house regulations

<http://www.minneapolismn.gov/sustainability/homegrown/WCMS1P-130152>

New Jersey; extensive greenhouse regulations

<http://www.nj.gov/agriculture/divisions/md/pdf/greenhousefactsheet.pdf>

Milwaukee; greenhouse regulations

<http://city.milwaukee.gov/homegrownmilwaukee/Resources/Buildings.htm>

Wheatridge, Colorado; links to hoop house regulations

<http://www.ci.wheatridge.co.us/985/Urban-Agriculture>

AQUAPONICS

Chicago; brochure with simple Q&A responses

http://www.cityofchicago.org/city/en/depts/dcd/supp_info/urban_agriculturefaq.html

New Mexico State University; basic requirements of aquaponics

http://aces.nmsu.edu/pubs/_h/H170/welcome.html

Feasibility study of aquaponics for Canada

https://www.frostyfish.com/wp-content/uploads/2014/05/justinfoodcycles_enp-to-aquaponics-report.pdf

HOOP HOUSE

Complete hoop house construction instructions 102 pages

<http://www.noble.org/Global/ag/horticulture/hoop-house-construction-guide/nf-ho-14-01.pdf>

UA hoophouse information

<http://cals.arizona.edu/yavapai/anr/hort/byg/archive/hoophouse.html>

BUTCHERING

A pull-no-punches look at what butchering entails.

http://www.slate.com/articles/life/food/2012/06/diy_animal_slaughter_urban_hipsters_think_it_s_a_good_idea_it_isn_t.html

Step-by-step instructions, complete with photos
<http://butcherachicken.blogspot.com/>

An up-front look at backyard butchering.
<http://www.whistlepighollow.com/2013/07/03/how-to-process-slaughter-butcher-freedom-rangers-backyard-chickens/>

Not everyone knows how to conduct this process properly.
<http://www.backyardchickenelearning.com/how-not-to-take-your-chickens-to-the-butcher/>

Lists nearly all 50 states and basic regulations regarding butchering
<https://www.extension.org/sites/default/files/NMPAN%20State%20Poultry%20Regs%20Report%20August2012.pdf>

general
<https://www.animallaw.info/article/table-state-humane-slaughter-laws>

Arizona State Statutes; Exemptions for own use -- note the requirement to display the hide! May want to verify the application to dwarf goats, assuming someone actually wants to eat these.
<http://www.azleg.gov/FormatDocument.asp?inDoc=/ars/3/02011.htm&Title=3&DocType=ARS>

Here are the poultry exemptions that would apply to the individual property owner. Arizona requirements for slaughtering poultry for one's own use. These are the exemptions.
<http://www.azleg.gov/FormatDocument.asp?inDoc=/ars/3/02162.htm&Title=3&DocType=ARS>

Arizona Department of Agriculture Rules; no apparent applications to backyard farm animals.
http://apps.azsos.gov/public_services/Title_03/3-02.pdf

Arizona State statutes; Chapter 13 addresses animals and slaughtering
<http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=3>

Actual code language of specific sections of Chapter 13 that relate to slaughter for personal use.

3-2011. Slaughter of animals by producer or owner for own use; inspection of hides; violation; classification

A. Producers or owners who slaughter livestock, sheep, goats, swine or equines for the purpose of using the meat for food for themselves, their immediate family or employees,

and not for sale, shall not be required to procure a special permit or a license to slaughter as required by this article, but the whole hide of all livestock so slaughtered, except swine, shall be hung in a conspicuous place on the premises of the producer or owner and kept there until the hide has been inspected and marked or tagged by a livestock officer. The meat from the livestock so slaughtered shall not be removed from the premises of the producer or owner without being stamped "not for sale" by the livestock officer.

B. A person other than the owner or producer who slaughters livestock described in subsection A shall keep the whole hide of all livestock so slaughtered except swine until the hide has been inspected and marked or tagged by a livestock officer and the meat from the livestock so slaughtered has been stamped "not for sale" by the livestock officer.

C. Every person who slaughters livestock of another as described in subsection B shall be licensed pursuant to rules of the director.

D. A person failing to comply with this section is guilty of a class 2 misdemeanor.

3-2016. Methods of slaughtering which are humane

No method of slaughtering or handling in connection with slaughtering shall be deemed to comply with the public policy of the state of Arizona unless it is humane. Either of the following two methods of slaughtering and handling are hereby found to be humane:

1. In the case of cattle, calves, horses, mules, sheep, swine, and other livestock, all animals are rendered insensible to pain by a single blow or gunshot or an electrical, chemical or other means that is rapid and effective, before being shackled, hoisted, thrown, cast, or cut.
2. By slaughtering in accordance with the ritual requirements of the Jewish faith or any other religious faith that prescribes a method of slaughter whereby the animal suffers loss of consciousness by anemia of the brain caused by the simultaneous and instantaneous severance of the carotid arteries with a sharp instrument.

3-2017. Exemption

A. No slaughterer, packer or stockyard operator shall bleed or slaughter any livestock except by a humane method, provided, that the chief state veterinary meat inspector may, by administrative order, exempt from compliance with this article, for a period not to exceed one year after the effective date of this article, any slaughterer, packer or stockyard operator if he finds that an earlier compliance would cause such person an undue hardship.

B. No person slaughtering or butchering any livestock for his own use shall be subject to any of the provisions of this article.

GENERAL INFORMATION AND OTHER PERSPECTIVES ON URBAN AGRICULTURE

University of New Hampshire Cooperative Extension Service resource brochure on space requirements for various farm animals.

https://extension.unh.edu/resources/files/Resource000471_Rep493.pdf

A realistic look at urban farms and urban agriculture

<http://grist.org/food/urban-farms-wont-feed-us-but-they-just-might-teach-us/>

Recent article on soil testing for urban agriculture.

<http://www.freep.com/story/money/business/michigan/2015/06/27/detroit-farming-agriculture-wsu-soil-earthworks/29327963/>

Interesting look at the economics of urban farms vs community gardens

<http://fourtheconomy.com/the-future-of-urban-farms-or-community-gardens-or-are-they-one-and-the-same/>

The not-so pretty side of urban farm animals; a look at the downside of backyard flocks from someone who does animal rescues.

<https://www.thedodo.com/community/DucksAndClucks/just-say-no-to-backyard-flocks-432560708.html>