

This document is a companion to “On-Farm Cold Storage of Fall Harvested Fruit and Vegetable Crops” authored by Scott A. Sanford and John Hendrickson published by University of Wisconsin Extension, 2015. Available at <http://learningstore.uwex.edu/>

Crop Profile Resources

Vegetables

Beets

Adamicki, Franciszek. Beet, Agricultural Handbook #66, USDA.

<http://www.ba.ars.usda.gov/hb66/beet.pdf>

Beetroot, Sydney Postharvest Laboratory & Food Science

<http://www.postharvest.com.au/Beetroot.pdf>

Stivers, Lee. 1999. Crop Profile for Beets in New York, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/nybeets.pdf>

Brussels sprouts

Forney, C., P.M.A. Toivonen. Brussel Sprouts, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/brussels.pdf>

Brussels Sprouts Info, Pfyffer Associates

<http://www.brussels-sprouts.com/BSINFO.htm>

Andersen, C.R. 2009. Brussels Sprouts, (#FSA6005) University of Arkansas Cooperative Extension

http://www.uaex.edu/Other_Areas/publications/PDF/FSA-6005.pdf

Cabbage

Prange, Robert K., Cabbage, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/cabbage.pdf>

Salunkhe, D.K. and S.S. Kadam. 1998. *Handbook of Vegetable Science and Technology*, 309-310. New York: Marcel Dekker, Inc.

Delahaut, K. 2003. Crop Profile for Cabbage in Wisconsin, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/wicabbage.pdf>

Carrots

Luo, Y., T. Suslow, M. Cantwell. Carrot, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/carrot.pdf>

Carrot, Sydney Postharvest Laboratory & Food Science

http://www.postharvest.com.au/Carrot_Mature.pdf

Delahaut, K. 1999. Crop Profile for Carrots in Wisconsin, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/wicarrots.pdf>

Fritz, V.A., C.B. Tong, C.J. Rosen, T. Nennich, 2013. Carrots – vegetable crop management, Commercial Fruit and Vegetable Production, University of Minnesota-Extension.

<http://www.extension.umn.edu/garden/fruit-vegetable/carrots-vegetable-crop-management/index.html>

Celeriac (celery root)

Gross, K.C. Celeriac, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/celeriac.pdf>

Celeriac, Roxbury Farm Harvest Manual (2012)

http://sfc.smallfarmcentral.com/dynamic_content/uploadfiles/942/Harvest Manual 2012 website version.pdf

Garlic

Cantwell, M. Garlic, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/garlic.pdf>

Davis, J.M. 2014. Garlic Production, North Carolina State University and North Carolina A&T State University Cooperative Extension

<http://polk.ces.ncsu.edu/content/GarlicProduction>

Cantwell, M. 2000. Garlic: Recommendations for maintaining postharvest quality, University of California, Davis, Postharvest Technology Center

<http://postharvest.ucdavis.edu/pfvegetable/Garlic/>

Rosen, C., R. Becker, V. Fritz, B. Hutchison, J. Percich, C. Tong, J. Wright. 2014. Growing garlic in Minnesota, University of Minnesota Extension

<http://www.extension.umn.edu/garden/fruit-vegetable/growing-garlic-in-minnesota/index.html>

Horseradish

Adammicki, F., Horseradish, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/horseradish.pdf>

Bratsch, Anthony, 2009. Specialty Crop Profile: Horseradish, (#438-104), Virginia Cooperative Extension. http://pubs.ext.vt.edu/438/438-104/438-104_pdf.pdf

Bratsch, T. 2000. Crop Profile for Horseradish in Illinois, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/ILhorseradish.pdf>

Hemphill, D. 2010. Horseradish, Oregon Vegetables, Oregon State University

<http://horticulture.oregonstate.edu/content/horseradish-0>

Jerusalem Artichoke (Sunchokes / Girasole)

Kays, S.J., Jerusalem Artichoke, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/jerusalemArtichoke.pdf>

Salunkhe, D.K. and S.S. Kadam. 1998. *Handbook of Vegetable Science and Technology*, 164-165. New York: Marcel Dekker, Inc.

Leeks

DeEll, J.R., Leek, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/leek.pdf>

Hemphill, D. 2010. Leeks, Oregon Vegetables, Oregon State University

<http://horticulture.oregonstate.edu/content/leeks-0>

Onions

Adammicki, F., Onion, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/onion.pdf>

Fritz, V.A., C.B. Tong, C.J. Rosen, J.A. Wright, 2010. Yellow storage onions, Commercial Fruit and Vegetable Production, University of Minnesota-Extension

<http://www.extension.umn.edu/garden/fruit-vegetable/yellow-storage-onions/index.html>

Delahaut, K.A., 1999. Crop Profile for Onions in Wisconsin, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/wionions.pdf>

Suslow, T., 1996. Onions, Dry: Recommendations for maintaining postharvest quality, University of California, Davis, Postharvest Technology Center

<http://postharvest.ucdavis.edu/pfvegetable/OnionsDry>

Parsnips

Toivonen, P.M.A., Parsnip, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/parsnip.pdf>

Potatoes

Voss, R.E., Potato, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/potato.pdf>

Potatoes, Kimberly Research and Extension Center, University of Idaho

<http://extension.uidaho.edu/kimberly/tag/potatoes/>

Voss, R.E., K.G. Baghott, H. Timm, *Proper Environment for Potato Storage*, University of California, Davis, Vegetable Research and Information Center

http://vric.ucdavis.edu/pdf/POTATOES/potato_storage.pdf

Welty, C., D. Doohan, R.C. Rowe, 2000. Crop Profile for Potatoes in Ohio, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/OHpotato.pdf>

Binning, L. W.R. Stevenson, J.A. Wyman, 2000. Crop Profile for Potatoes in Wisconsin, North Central Integrated Pest Management (IMP) Center, UDSA.

<http://www.ipmcenters.org/cropprofiles/docs/wipotatoes.pdf>

Smith, G.S., L. Jett, P. Donald, T. Baker, K. Mainard, 2001. Crop Profile for Potatoes in Missouri, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/MOpotato.pdf>

Becker, R., 2002. Crop Profile for Potatoes in Minnesota, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/MNpotatoes.pdf>

Johnson, H.E., 2000. Crop Profile for Potatoes in Michigan, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/MIPotato.pdf>

Pumpkins (pie type)

Brecht, J.K., Pumpkin and Winter Squash, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/pumpkin.pdf>

Ike, E.K. 2004. Crop Profile for Pumpkins in Ohio, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/OHpumpkin2004.pdf>

Delahaut, K., A.C. Newenhouse, 1998. Growing pumpkins and other vine crops in Wisconsin: A Guide for Fresh-Market Growers, (#A3688), University of Wisconsin-Extension.

<http://learningstore.uwex.edu/assets/pdfs/a3688.pdf>

Vegetable Production in Illinois: Current and Potential, University of Illinois-Extension

http://agronomyday.cropsci.illinois.edu/2005/Tour_A/Veg_Prod/

Commercial Vegetable Production - Pumpkins, C. Marr, T. Schaplowsky, T. Carey, Bulletin MF-2030, Kansas State University, 2004.

http://www.agmrc.org/media/cms/MF2030_0C42997F934A4.pdf

Rutabagas

Nunes, Maria Cecilia do Nascimento, Rutabaga, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/rutabaga.pdf>

Zandstra, B.H. and D.D. Warncke. 1989. *Radish, Rutabagas, Turnip*. (Publication E-2207). Michigan State University-Extension.

<http://michiganorganic.files.wordpress.com/2014/10/radish-rutabaga-turnip.pdf>

Sweet potatoes

Kays, S.J., Sweetpotato, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/sweetpotato.pdf>

Ghidiu, G. M. Henninger, M. Casella-Infante, J. Ingerson-Mahar, B. Majek, R. Van Vranken, 2005. Crop Profile for Sweet Potato in New Jersey, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/njsweetpotatoes.pdf>

Tuckey, D.M., S.A. Alexander, B.A. Nault, M.J. Weaver, H.P. Wilson, 2001. Crop Profile for Sweetpotatoes in Virginia, North Central Integrated Pest Management (IMP) Center, USDA.

<http://www.ipmcenters.org/cropprofiles/docs/VAsweetpotato.pdf>

Cantwell, M, T. Suslow, 2001. Sweet potato: Recommendations for maintaining postharvest quality, University of California, Davis, Postharvest Technology Center

<http://postharvest.ucdavis.edu/pfvegetable/SweetPotato/>

Jett, L.W. 2006. Growing Sweet Potatoes in Missouri (#G6368), University of Missouri-Extension. <http://extension.missouri.edu/p/G6368>

Abrams, Jr., C.F. 1984. Depth Limitations on Bulk Piling of Sweet Potatoes, *Transactions of the ASAE* 27(6): 1848-1853. St. Joseph, MI: ASABE.

Turnips

Perkins-Veazie, Penelope, Turnip, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/turnip.pdf>

Zandstra, B.H. and D.D. Warncke. 1989. *Radish, Rutabagas, Turnip*. (Publication E-2207). Michigan State University-Extension.

<https://michiganorganic.files.wordpress.com/2014/10/radish-rutabaga-turnip.pdf>

Winter squash

Brecht, J.K., Pumpkin and Winter Squash, Agricultural Handbook #66, USDA

<http://www.ba.ars.usda.gov/hb66/pumpkin.pdf>

Delahaut, K., A.C. Newenhouse, 1998. Growing pumpkins and other vine crops in Wisconsin: A Guide for Fresh-Market Growers, (#A3688), University of Wisconsin-Extension.

<http://learningstore.uwex.edu/assets/pdfs/a3688.pdf>

Fruits

Apples

Watkins, C.B. K. Kupferman, D.A. Rosenberger, Apple, Agricultural Handbook #66, USDA.

<http://www.ba.ars.usda.gov/hb66/apple.pdf>

Watkins, C. and D. Rosenberger. 1997. *1997 Cornell fruit handling and storage newsletter*. Ithaca, NY: Cornell University. <http://www.hort.cornell.edu/watkins/CAnews97.html>

Cranberry

Prange, R.K. Cranberry, Agricultural Handbook #66, USDA
<http://www.ba.ars.usda.gov/hb66/cranberry.pdf>

Forney, C. F. 2008. Optimizing the storage temperature and relative humidity for fresh cranberries: A reassessment of chilling sensitivity. *HortScience* 43(2): 439-446.

Pears

Chen, P.M., Pear, Agricultural Handbook #66, USDA
<http://www.ba.ars.usda.gov/hb66/pear.pdf>

Meheriuk, M., C. Evans, E. Talley, E. Kupferman, 1988. Post Harvest Pomology Newsletter, 6(3): 11-15, December 1988. <http://postharvest.tfrec.wsu.edu/pages/N6I3A>

Additional resources

Active heat transfer systems

Midwest Plan Service. 1990. Ch. 5: Earth tube heat exchangers, In *Heating, Cooling, and Tempering Air for Livestock Housing*. MWPS-34. Ames, IA: Midwest Plan Service.
<http://www-mwps.sws.iastate.edu>

Building plans

Canada Plan Service. 1985. Bulk potato storage with side air plenum, Plan 331-05. In *Agricultural Building Systems Handbook*. Vancouver, BC: British Columbia Ministry of Agriculture.
http://www.agf.gov.bc.ca/resmgmt/publist/Concept_Plans.htm#fruitandveg

Canada Plan Service. 2010. *Fruit, Vegetable & Greenhouse plans*. Lincoln, ON: Ontario Ministry of Agriculture.
<http://www.cps.gov.on.ca/english/frameindex.htm>

Midwest Plan Service. 1987. *Structure and Environment Handbook*. MWPS-1. Ames, IA: Midwest Plan Service.

Controlled atmosphere storage (CA storage)

Bartsch, J. A. and G.D. Blanpied. 1990. *Refrigeration and controlled atmosphere storage for horticultural crops*. NRAES J. Paper 22. Ithaca, NY: Northeast Regional Agricultural Engineering Service, Cornell University. (Out of Print)

Thompson, A. K. 2010. *Controlled Atmosphere Storage of Fruits and Vegetables*, 2nd ed. Cambridge, MA: CAB International.
http://study.syau.edu.cn/upload/530/attach/_2005500051_201110270744371.pdf

Watkins, C. and D. Rosenberger. 1997. *Cornell fruit handling and storage newsletter*. Ithaca, NY: Cornell University.

www.hort.cornell.edu/watkins/CAnews97.html

Food safety

Schermann, M. 2008. *FSP4U – A Food Safety Pan (Template) for You*. St. Paul, MN: University of Minnesota.

<http://datcp.wi.gov/OnFarmFoodSafety/uploads/pdf/FSP4U.pdf>

Postharvest Technology Center. 2015. *Food Safety Resources*. Davis, CA: University of California-Davis.

http://postharvest.ucdavis.edu/libraries/Food_Safety_Resources

Forklifts

eBay. 2015. *Forklift Buying Guide*.

www.ebay.com/gds/Forklifts-Buying-Guide-/10000000177628696/g.html

Occupational Safety and Health Administration (OSHA). 2015. *Powered Industrial Trucks – Forklifts*. Washington, DC: Department of Labor.

www.osha.gov/SLTC/powerindustrialtrucks/index.html

Occupational Safety and Health Administration (OSHA). 2015. *Regional and Area Offices*. Washington, DC: Department of Labor.

www.osha.gov/html/RAmap.html

Solid & Hazardous Waste Education Center. (n.d.) *Forklifts: Operational and Environmental Impacts* (425.JK.0806). Madison, WI: University of Wisconsin-Extension.

<http://www4.uwm.edu/shwec/publications/cabinet/p2/Forklifts1.pdf>

General crop storage information and guidelines

Abrams, Jr., C.F. 1984. Depth limitations on bulk piling of sweet potatoes. *Transactions of the ASAE* 27 (6): 1848-1853. <http://www.asabe.org/>

ASABE. 1996. *Design and management of storage for bulk, fall-crop Irish potatoes*, ASAE EP475. St. Joseph, MI: ASABE. <http://www.asabe.org/>

Babadoost, M. 2005. *Vegetable Production in Illinois: Current and Potential*. Urbana-Champaign, IL: University of Illinois Extension.

http://agronomyday.cropsci.illinois.edu/2005/Tour_A/Veg_Prod/

Bussan, A. J., J.B. Colquhoun, V.M. Davis, A.J. Gevens, R.L. Groves, D.J. Heider, B.M. Jensen, G.R.W. Nice, and M.D. Raurk. 2015. *Commercial Vegetable Production in Wisconsin–2015* (#A3422). Madison, WI: University of Wisconsin-Extension.

<http://learningstore.uwex.edu/assets/pdfs/A3422.PDF>

Canada Plan Service. 1985. *Fruit and vegetable storage, Plan M-6000*. Vancouver, BC: British Columbia Ministry of Agriculture. www.cps.gov.on.ca/english/plans/E6000/6000/M-6000L.pdf

Cantwell, M. 2000. *Garlic: Recommendations for Maintaining Postharvest Quality*. Davis, CA: University of California, Davis. <http://postharvest.ucdavis.edu/pfvegetable/Garlic/>

Egel, D., R. Foster, E. Maynard, et al. 2015. *Midwest vegetable production guide for commercial growers (#ID-56)*. West Lafayette, IN: Purdue University Extension. www.btny.purdue.edu/Pubs/ID/ID-56/ID-56.pdf

Gast, K.L.B. 1991. *Storage Conditions: Fruits and Vegetables (#MF-978)*. Manhattan, KS: Kansas State Cooperative Extension. <http://www.bookstore.ksre.ksu.edu/pubs/mf978.pdf>

Gross, K.C., C.Y. Wang and M. Saltveit, eds. 2004. *The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks*, Agricultural Handbook No. 66, USDA-ARS. Beltsville, MD: United States Department of Agriculture. <http://www.ba.ars.usda.gov/hb66/contents.html>

Grubinger, V. 2013. *Vegetable and Berry Crop Yield Estimated for New England*, University of Vermont Extension. <http://www.uvm.edu/vtvegandberry/factsheets/vegetableberryyields.pdf>

Johnny's Selected Seeds. 2015. *Vegetable Charts*. Winslow, ME: Johnny's Selected Seeds Inc. <http://www.johnnyseeds.com/assets/information/vegetablecharts.pdf>

Kader, A.A. 2002. *Postharvest Technology of Horticultural Crops*, 3rd Ed. Publication 3311. Davis, CA: University of California, Davis. [http://postharvest.ucdavis.edu/bookstore/Postharvest Technology of Horticultural Crops/Key Technology](http://postharvest.ucdavis.edu/bookstore/Postharvest_Technology_of_Horticultural_Crops/Key_Technology). 2015. *Bulk Density Averages*. Walla Walla, WA: Key Technology. <http://go.key.net/rs/key/images/Bulk%20Density%20Averages%20100630.pdf>

Kitinoja, L. and J.R. Gorny. 1999. *Postharvest Technology for Small-scale Produce Marketers: Economic Opportunities, Quality and Food Safety*. Davis, CA: University of California, Davis. <http://ucanr.edu/datastoreFiles/234-1937.pdf>

Kitinoja, L. and A.A. Kader. 2003. *Small-scale Postharvest Handling Practices: A Manual for Horticultural Crops*, 4th Ed. Davis, CA: University of California-Davis. <http://ucce.ucdavis.edu/files/datastore/234-1450.pdf>

Lindsay, R. T. and M.A. Neale. 1981. "Cold stores for fresh vegetables". In *Quality in Stored and Processed Vegetables and Fruit*, eds. P.W. Goodenough and R.K. Atkin, Ch. IV.7, London: Academic Press.

Marr, C. 1992. *Vegetable garden planting guide (#MF-315)*. Manhattan, KS: Kansas State University Extension. <http://www.bookstore.ksre.ksu.edu/pubs/mf315.pdf>

- Relf, D. and A. McDaniel, A. 2009. *Root crops* (#426-42). Blacksburg, VA: Virginia Cooperative Extension.
http://pubs.ext.vt.edu/426/426-422/426-422_pdf.pdf
- Roxbury Farm. 2012. *Roxbury Farm Harvest Manual*. Kinderhook, NY: Roxbury Farm.
<http://www.roxburyfarm.com/harvest-manual/>
- Ryall, A.L. and W.J. Lipton. 1979-1982. *Handling, Transportation and Storage of Fruits and Vegetables*, 2nd Ed., Vols.1-2). New York, NY: AVI Publishing Co., Inc.
- Sayre, L. 2005. Ultimate season extension. In *New Farm*. Kutztown, PA: Rodale Institute.
www.newfarm.org/features/2005/1205/genesis/sayre.shtml
- Suslow, T. 1996. *Onions, Dry: Recommendations for Maintaining Postharvest Quality*. Davis, CA: University of California, Davis. <http://postharvest.ucdavis.edu/pfvegetable/OnionsDry>
- Taber, H.G. 2009. *Commercial Vegetable Production – A Small Farm Opportunity?* Ames, IA: Iowa State University Extension.
<http://ia.foodmarketmaker.com/uploads/0a88216bd7a96e10152b7c7a6891a667.pdf>
- Thompson, J.F., C.F.H. Bishop and P.E. Brecht. 2004. *Air Transport of Perishable Products* (#21618). Davis, CA: University of California, Davis.
http://postharvest.ucdavis.edu/bookstore/Air_Transport_of_Perishable_Produce/
- Thompson, J.F., F.G. Mitchell, T.R. Rumsey, R.F. Kasmire and C.H. Crisosto. 2008. *Commercial Cooling of Fruits, Vegetables, and Flowers* (# 21567). Davis, CA: University of California, Davis.
http://postharvest.ucdavis.edu/bookstore/Commercial_Cooling/
- University of Wisconsin-Extension and University of Minnesota Extension. 2015. *Alternative Field Crops Manual*. Madison, WI: University of Wisconsin-Extension.
www.hort.purdue.edu/newcrop/afcm/
- Van den Berg, L. and C.P. Lentz. 1977. Effect of relative humidity of storage life of vegetables. *Acta Horticulturae* 62: 197-208.
- Van den Berg, L. and C.P. Lentz. 1978. High humidity storage of vegetables and fruits. *HortScience* 13(5): 565-569.
- World Food Logistics Organization. 2015. *WFLO Commodity Storage Manual*. Alexandria, VA: Global Cold Chain Alliance.
www.gcca.org/commodity-storage-manual/
- Zandstra, B.H. and H.C. Price. 1988. *Yields of Michigan vegetable crops* (E-1565). East Lansing, MI: Michigan State University Extension.
<http://web2.msue.msu.edu/bulletins/Bulletin/PDF/E1565.pdf>

Handling and storage considerations (ethylene)

DryPak Industries. 2015. *Ethylene production/sensitivity chart*.
[www.drypak.com/media/images/ethylenechart\[1\].doc](http://www.drypak.com/media/images/ethylenechart[1].doc)

Postharvest Publications. Raleigh, NC: North Carolina Cooperative Extension.
www.bae.ncsu.edu/programs/extension/publicat/postharv/

Saltveit, M.E. 2004. Ethylene Effects. In *The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks*, eds. K.C. Gross, C.Y. Wang and M. Saltveit. Agricultural Handbook No. 66, USDA-ARS. Beltsville, MD: United States Department of Agriculture.
<http://www.ba.ars.usda.gov/hb66/contents.html>

Wilson, L.G., M.D. Boyette and E.A. Estes. 1999. *Postharvest Handling and Cooling of Fresh Fruits, Vegetables and Flowers for Small Farms, Part IV: Mixed loads*. (#803), Raleigh, NC: North Carolina Cooperative Extension.
<http://www.ces.ncsu.edu/hil/post-index.html>

Humidity control

Gellert Co. 2015. *Humidity and environmental control systems for vegetable storage*.
www.gellert.com

Industrial Ventilation Inc. 2015. *(iVi) Specialize in post-harvest root crop storage ventilation systems*. www.ivi-air.com

Nelson Vegetable Storage Systems, Inc. 2015. *Vegetable crop storage facility equipment, refrigeration, humidification and ventilation controls*. www.nelsonsveg.com

Hydrofogger.com. 2015. *Small, centrifugal humidifiers and controls*. www.hydrofogger.com/

Micro Cool. 2015. *MicroCool – The First Name in Fog & Mist Technology*.
www.microcool.com/

_____, Temperature and Relative Humidity Control, Chapter 6 in Part 1: Fresh Handling Technologies for Horticultural Produce, <http://postharvest.ucdavis.edu/files/93612.pdf>

Insulation

Tobiasson, W., A. Greatorex and D. Van Pelt. 1987. Wetting of polystyrene and urethane roof insulation in the laboratory and on a protected membrane roof. *J. Thermal Insulation* 11: 108-119.

Tobiasson, W., A. Greatorex and D. Van Pelt. 1991. New wetting curves for common roof Insulations, In *1991 International Symposium on Roofing Technology*, 383-390. Rosemont, IL: National Roofing Contractors Assoc.

_____. *Customers are saving thousands of dollars with new high-tech insulation*, U.S. Cooler Company, Quincy, IL. www.uscooler.com/extras/pdf/uscooler_insulation.pdf

Loading docks

Blue Giant Equipment Corporation. 2008. *Dock System Guide – Planning and Designs*, # 038-588E. Greensboro, NC: Blue Giant Equipment Corporation.
<http://www.bluegiant.com/Files/Architects/Loading-Dock-System-Guide.aspx>

Refrigeration

ASHRAE. 2010. Commodity storage requirements, Ch. 21; Refrigerated-facility design, Ch. 23; Refrigerated-facility loads, Ch. 24; Deciduous tree and vine fruit, Ch. 35; Vegetables, Ch. 37. In *ASHRAE-Refrigeration Handbook*. Atlanta, GA: ASHRAE.

Butler, C., J.W. Slavin, M. Patashnik and F.B. Sanford. 1956. Cold Storage Design and Refrigeration Equipment–Refrigeration of Fish (Fishery Leaflet #427) Washington, DC: U.S. Department of Interior.
<http://spo.nmfs.noaa.gov/Fishery%20Leaflets/leaflet427.pdf>

Henderson, H. 2009. Evaluation of the COOLbot™ Low-Cost Walk-in Cooler Concept. Albany, NY: NYSERDA.

HeatCraft Refrigeration Products, LLC. 2008. *Engineering Manual – Commercial Refrigeration Cooling and Freezing Load Calculation and Reference Guide*. Stone Mountain, GA: HeatCraft Refrigeration Products, LLC. <http://www.heatcraftprd.com/PDF\Misc\EM.pdf>

HeatCraft Refrigeration Products, LLC. 2015. *Quick Load Calculations*. Stone Mountain, GA: HeatCraft Refrigeration Products, LLC.
www.heatcraftprd.com/PDF/MQuick Load Calculations.pdf

Storage recommendations for individual crops

Delahaut, K. A. and A.C. Newenhouse. 1998. *Growing Pumpkins and Other Vine Crops in Wisconsin* (# A3688). Madison, WI: University of Wisconsin Extension.
<http://learningstore.uwex.edu/assets/pdfs/a3688.pdf>

Forney, C. F. 2008. Optimizing the storage temperature and relative humidity for fresh cranberries: A reassessment of chilling sensitivity. *HortScience* 43(2): 439-446.

Fritz, V. A., C.B. Tong, C.J. Rosen and, J.A. Wright. 2010. *Yellow Storage Onions–Vegetable Crop Management*. Minneapolis, MN: University of Minnesota-Extension.
<http://www.extension.umn.edu/distribution/cropsystems/DC7060.html>

Hemphill, D. 2003. *Commercial Vegetable Production Guides- Shallots*. Corvallis, OR: Oregon State University.
<http://horticulture.oregonstate.edu/content/shallots-0>

Ike, E.K. 2004. Crop profile for pumpkins in Ohio. IPM Centers, U.S. Department of Agriculture.
<http://www.ipmcenters.org/cropprofiles/docs/OHpumpkin2004.pdf>

Meheriuk, M., C. Evans, E. Talley and E. Kupferman. 1988. Harvest Maturity and Storage Regime for Pears. Wenatchee, WA: Tree Fruit Research and Extension Center, Washington State University.

<http://postharvest.tfrec.wsu.edu/pages/N6I3A>

North Central IPM Center. 2015. *North Central Region Crop Profiles*. Urbana-Champaign, IL: United States Department of Agriculture, National Institute of Food and Agriculture.

<http://www.ncipmc.org/planning/profiles.php>

Relf, D. and A. McDaniel. 2009. *Onions, Garlic, and Shallots* (#426-411). Blacksburg, VA: Virginia Cooperative Extension.

http://pubs.ext.vt.edu/426/426-411/426-411_pdf.pdf

Watkins, C.B. and J.F. Nock. 2012. *2012 Production Guide for Storage of Organic Fruits and Vegetables* (NYS IPM Pub. # 10). Ithaca, NY: Cornell University Cooperative Extension.

http://nysipm.cornell.edu/organic_guide/stored_fruit_veg.pdf

Walk-in coolers

Bartsch, J. A. 1986. *Walk-in Cooler Construction* (Ag. Engr. Ext. Bulletin 453). Ithaca, NY: Cornell University Extension.

Carroll Coolers, Inc. 2011. *Walk-in Cooler and Freezer Installation Manual* (Rev. 2011.6). Carroll, IA: Carroll Coolers, Inc.

http://www.leerinc.com/wp-content/uploads/2013/10/WalkinInstallManual_201107111.pdf

Davis Energy Group. 2004. *Analysis of standard options for walk-in coolers (refrigerators) and freezers*. San Francisco, CA: Pacific Gas & Electric Co.

http://www.energy.ca.gov/appliances/2004rulemaking/documents/case_studies/CASE_Walk-In_Cooler.pdf

Heschong Mahone Group, 2008. *Analysis of standards options for walk-in refrigerated storage*. Rosemead, CA: Southern California Edison.

http://www.energy.ca.gov/appliances/2008rulemaking/documents/2008-02-01_documents/CASE_studies/Preliminary_Analysis_for_Walk-in_Refrigerated_Storage.pdf