

# Crop Storage Webinar

## Useful Web Resources

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### Useful links referred to in this webinar:

**Chris' Blog and Crop Storage Reference Page:** <http://blog.uvm.edu/cwcallah/crop-storage-resources/> - Clearing house for all things related to fruit and vegetable storage that I have found useful in my own work. Workshop slides, online references, calculators, etc. The blog is more general, but may be of interest as well: <http://blog.uvm.edu/cwcallah>.

**USDA Handbook 66:** <http://www.ba.ars.usda.gov/hb66/contents.html> - "The Commercial Storage of Fruits, Vegetables, and Florist and Nursery Stocks". USDA ARS Publication detailing postharvest characteristics of many common crops and some not-so common crops. Includes optimal storage temperature, relative humidity, ethylene sensitivity, respiration rates, pathology issues, grading info, etc.

**UC Davis Postharvest Technology Website:** <http://postharvest.ucdavis.edu> – Collection of useful fact sheets and research papers that go a bit beyond Handbook 66.

**QA Supplies:** One of the companies selling useful monitoring and quality control items. [www.qasupplies.com](http://www.qasupplies.com). Including the atomizing humidifier: [http://www.qasupplies.com/70athu.html#.VD6B1sk0\\_wM](http://www.qasupplies.com/70athu.html#.VD6B1sk0_wM)

**Ben Meadows:** This is the supplier of the sling psychrometer I prefer to use. It is a bit more fragile, but allows for easier reading of temperature. Weksler Sling Psychrometer: [http://www.benmeadows.com/weksler-sling-psychrometer--30-to-50c\\_s\\_110171/](http://www.benmeadows.com/weksler-sling-psychrometer--30-to-50c_s_110171/)

**Psychrometric Calculator:** One of the challenges we are presented with is accurate determination of relative humidity (RH). I have found the electronic devices to be unreliable and inaccurate in most storage applications and tend to depend on a sling psychrometer to measure dry bulb and wet bulb, allowing calculation of relative humidity using a psychrometric chart or this calculator (easier): <http://www.sugartech.co.za/psychro/index.php>.

**DIY Autofill Humidifier:** <http://blog.uvm.edu/cwcallah/2014/03/04/diy-auto-fill-humidifier/> - The idea was to turn a 5 gallon bucket into a high capacity (4 gal/day), automatic fill humidifier. The bucket serves as a reservoir for the water and also as a mounting platform for the parts required to operate the humidifier. Water heated to a known temperature will transfer a predictable amount of water vapor to an air stream of a known temperature and humidity (wet bulb temperature).